U.S. ARMY-BAYLOR UNIVERSITY GRADUATE PROGRAM IN HEALTH CARE ADMINISTRATION

A STUDY TO COMPARE THE
COST OF CONTINUING TO OFFER INPATIENT SERVICES
AT DEWITT ARMY COMMUNITY HOSPITAL
VERSUS
PAYING CIVILIAN PROVIDERS FOR INPATIENT SERVICES
AT THE PREVAILING CHAMPUS REIMBURSEMENT RATE

A GRADUATE MANAGEMENT PROJECT SUBMITTED TO THE FACULTY OF THE U.S. ARMY-BAYLOR UNIVERSITY PROGRAM IN PARTIAL FULFILLMENT OF REQUIREMENTS FOR THE DEGREE OF MASTERS OF HEALTH CARE ADMINISTRATION

BY

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ABSTRACT

This graduate management project compares the cost of continuing to offer inpatient services at DeWitt Army Community Hospital (DACH) to paying civilian providers for providing these services at the prevailing Civilian Health and Medical Program of the Uniformed Services (CHAMPUS) rate--a "make" or "buy" decision. A review of the costs to "make" and "buy" inpatient services at DACH uses the same method as used by CAPT Lane T. Rogers (1994) with slight modifications adopted by CPT Michael D. Crandell (1996). Efforts to contract externally for inpatient services reimbursed at a discounted rate lower than the CHAMPUS prevailing rate have proven largely unsuccessful.

The goal of this study is to advise the DACH Governing Board on the financial implications of continuing to provide inpatient services in house as opposed to paying for services from local providers at the prevailing CHAMPUS rate. Fiscal year 1996 (FY96) inpatient data is used for the conduct of this study. The final result of the "make" equation indicates the amount of federal appropriations required to provide DACH's FY96 inpatient workload in house:

Total MEPRS Inpatient Expense \$15	5,401,739
Total MEPRS Inpatient Expense \$15,401,739	
Less Inpatient Salary Savings -\$6,800,197	
Less Other MEPRS Savings -\sum_3.039,941	
Equals MEPRS Fixed Costs \$5,561,601	
Less MEPRS Fixed Costs -\$5	<u>5,561,601</u>
Equals: The Revised Federal Appropriation for DACH	,
to Provide Inpatient Services in FY96	9,840,138

The final "buy" equation cost for DACH's FY96 inpatient workload if provided outside of DACH by civilian providers is as follows:

Total CHAMPUS Allowable Charge (no discount)	\$20,348,945
Plus CHAMPUS Professional Fees	+\$6,864,500
Less Patient Cost-Share	- <u>\$10,112,254</u>
Equals FY96 Total Cost to buy DACH's FY96 Inpatient	
Workload from local civilian providers	<u>\$17,101,191</u>
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The results of the study show that inpatient services should remain at DACH. Even with the possibility of negotiating for a discounted inpatient service contract with local civilian providers, DACH clearly provides inpatient services at a significantly lower cost.

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CHAPTER 1

INTRODUCTION

As the health care industry experiences numerous mergers, consolidations, reductions, and closures of facilities, one can only wonder what is in store for the present day survivors. Tenet Healthcare Corporation's purchase of Ordna Healthcorp for \$1.82 billion is an example of the mega-mergers recently occurring in the industry (Rundle 1996). This merger created a 126 hospital chain in a 22 state region and over \$8.5 billion in revenue (Rundle 1996).

The financial survival of many health care facilities and networks is being affected by broad changes in the industry. Acquisitions and mergers of hospitals rose 44 percent between 1994 and 1995 (Hospital & Health Networks 20 APR 96). Hospitals now depend on utilization management and case managers in an effort to contain costs (Feldstein 1993). Kongstvedt asserts the health care industry has adopted numerous data collection systems on provider outcomes and productivity. Economic indicators on providers are created from the results of these data collection systems by health care managers (Kongstvedt 1995). This system of economic comparison of providers is known as "provider profiling."

Some facilities have used provider profiling to determine whom they will employ and to justify changes in daily operations. Other organizations use provider profiling to re-engineer themselves through the identification of less productive services for internal.

process redesign. This has led many independent health care firms to embrace the once feared juggernaut known as managed care.

The Canadian health care system's adoption of managed care has led to ethical problems regarding resource allocation decisions (Meslin 1997). The United States (U.S.) health care industry has similar ethical problems concerning containment of costs and resource allocation. A statement by the chief of cardiothoracic surgery at a major U.S. university hospital reflects what many health plan enrollees believe is the major fault of managed care, "When managed-care companies look at things, I think quality is an issue, but the three most important things are cost, cost and cost" (Anders 1996).

The civilian health care sector is not the only one with its eye on cost. The military health services system (MHSS) has recently adopted a new program known as TRICARE. The commander of the local military hospital will be held strictly accountable for the health care of the hospital's enrolled DoD beneficiaries under this program. If TRICARE enrollees are not satisfied with the care the military medical treatment facility (MTF) provides, they may elect to enroll with the civilian TRICARE contractor when the option becomes available each year. The MTF commander does not want to lose his enrollees. The enrollees' switch from the MTF to the civilian contractor translates to a reduction in the commander's "capitated" budget.

The TRICARE contractor will receive funding equal to the historic CHAMPUS expenditures for those beneficiaries it enrolls. The contractor's for-profit motive has often led to a reduction of fees to practitioners and fewer patient contacts in order to increase profits (Willis 1996). DoD has closed many of the loopholes which existed in

some of the early TRICARE contracts. These loopholes had allowed the contractor increased profits for treating fewer patients and providing fewer benefits to those patients they do treat. DoD has kept abreast of the recent trends in the civilian health care industry. Mergers, consolidations, reductions, and closures of facilities are buzz words throughout the government as well as the military and military medicine.

DoD has undergone significant changes since the establishment of the Base Realignment and Closure Commission (BRAC). This Commission was created by the Defense Base Closure and Realignment Act of 1990 (P.L. 101-510, title XXIX, part A). It is a disinterested party charged with the identification of DoD facilities for closure or scaling back of operations. The existent Commission replaced the DoD's internal commission that was suspected of partisan recommendations. Of the four Commission recommendation lists to date, GAO report NSIAD-96-172 states that 311 bases and activities have been identified for closure with another 112 bases scheduled for realignment (GAO 1996).

In order for the MHSS to do its share of the military's downsizing and cost saving, it has conducted analyses of its operations. Two examples of these analyses are the *National Capital Area Study* (Vector Corporation 1995) and the *Small Hospital Survey* (facilities with 50 beds or less) (Vector Corporation 1992). These studies were conducted to identify possible services and sites for reduction or closure.

The results of the National Capital Area Study identified redundant services provided by multiple MTFs as candidates for consolidation. Statistically, the Small Hospital Survey demonstrated the need for one of the following actions for each facility:

(1) maintaining a facility as is; or (2) reducing it to a "super clinic"; or (3) closing the facility. The *Small Hospital Survey* employed utilization, availability of care from other sources, and cost as variables to arrive at its conclusions. Although the small hospital study recommended closure or reduction in services at various sites, the results were not supported by many of the affected districts' elected officials. As a result, major cost savings were not achieved. Few of the study's recommendations were adopted.

Cost was also the primary concern in the studies by Rogers and Crandell. These studies were conducted to inform the respective decision makers of the financial impact of their decisions on the provision of patient services. Both Rogers' and Crandell's studies concluded that it would cost less to purchase inpatient services from civilian providers.

Conditions Which Prompted the Study

DACH is known as a community-oriented, primary care facility. The major elements of a community-oriented primary care facility include: (1) the clinical practice of comprehensive primary medical care; (2) the use of applied epidemiology in practice planning; (3) the involvement of the community in program planning; (4) the use of data gathered in practice planning and organization; and (5) a continuing surveillance of community health status and needs (Kovner 1995). DACH also provides inpatient care to DoD beneficiaries in its catchment area.

DACH provides primary health care services and selected specialty care to 134,063 eligible DoD beneficiaries (DMIS FY96). These beneficiaries include: 12,569

active duty members; 111,010 non-active duty beneficiaries under 65 years old; and 10,484 Medicare eligible beneficiaries (Figure 1).

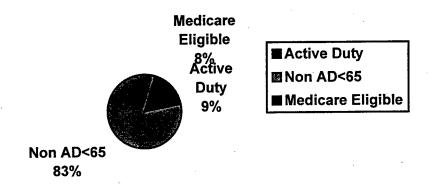


Figure 1. Beneficiary Categories. Source: DMIS FY96.

Figure 2 displays a by-service breakdown of the beneficiary population by sponsor's branch of service: 63,244 Army; 20,621 Navy; 24,310 Air Force; 22,606 Marine; and 3,642 Coast Guard or other.

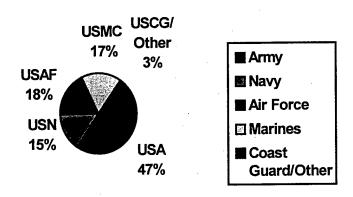


Figure 2. Beneficiary Sponsor's Branch of Service. Source: DMIS FY96.

The DeWitt Health Care System has four main portals of entry: (1) the forty-year-old main hospital which houses 63 staffed beds, limited specialty care, and the Family Health Center of Fort Belvoir; (2) the Family Health Center of Fairfax; (3) the Family Health Center of Woodbridge; and (4) the Family Health Center of Fort Myer. The family health centers are community (population) based to provide ambulatory care to their beneficiaries. Figure 3 is a graphical representation of the DeWitt Health Care System.

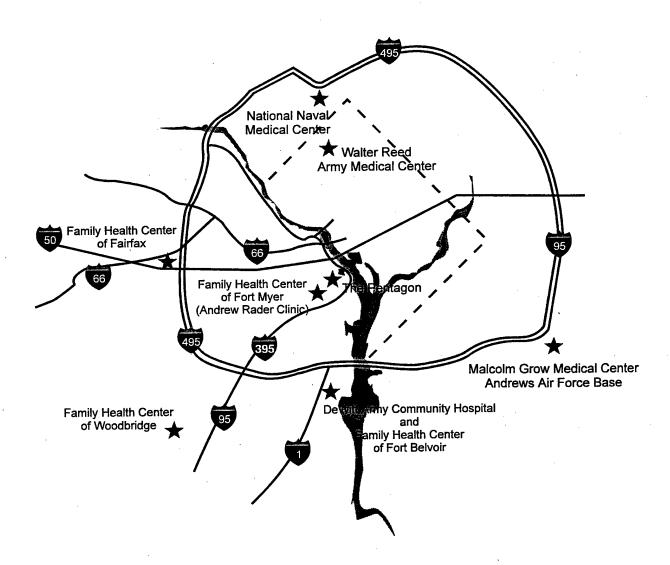


Figure 3. Map of DeWitt Health Care System. Source: Ms Susan Allen, Chief of Marketing, DeWitt Health Care System.

DACH has been directed to develop and implement a plan to reduce the fiscal year 1997 (FY97) budget by \$5 million. This 11 percent reduction was part of the Army Medical Department's budget reduction plan. DACH's commander and Executive Committee must consider drastic measures to stay within this projected FY97 budget. Even without the budget decrement, the commander should remain keenly aware of the cost of health care provided at DACH.

DACH is at a key juncture as a health care organization. If DACH's inpatient costs exceed local civilian providers' costs, then very careful consideration should be given to adopting a "buy" position. Benefits of providing care, e.g. readiness concerns, would need to be weighed against the additional cost. If DACH is in the "buy" position, DACH will purchase inpatient services from other institutions. The decision maker must remember that if care is provided by civilian providers under the current CHAMPUS system, the Government pays for 75 to 80 percent of the patient's bill (OCHAMPUS 1994). Those CHAMPUS costs come straight from DACH's budget. If CHAMPUS costs go up, adequate measures must be taken to increase DACH's economic efficiency in providing care. If DACH is in the provider position, DACH should provide inpatient services up to its maximum capacity.

Statement of the Problem

The management problem is to compare DACH's FY96 inpatient costs to the cost of those same services provided by local civilian facilities reimbursed under CHAMPUS.

Review of the Literature

A review of the literature indicates there are a variety of financial trends in the health care industry. These trends include governmental interventions, cost containment measures, mergers, closures, resource sharing, staffing reductions, and termination of less profitable services. Many of the trends are attempts to improve provider, facility, or network financial situations.

Insights into an organization's profitability may be gained by comparing cost of providing services against other facilities providing similar services. Cost comparisons of this nature are on the rise (Sopariwala 1997). Most of these comparisons have studied capacity levels within networks or given facilities. Sopariwala states this is due to the fact that "inpatient care prices are market-driven and do not depend on the actual cost of delivering care" (Sopariwala 1997). This statement implies that purchasers of inpatient services should be able to buy services at fair market rates. DACH might opt to "buy" inpatient services if the CHAMPUS reimbursement rate is lower than DACH's cost to providing these services.

CHAMPUS costs are calculated using adjusted standard amounts published annually in the *Federal Register* (Escobar 1996). Adjusted standard amounts represent the average operating costs for the treatment of CHAMPUS beneficiaries during a selected time period, each fiscal year. The adjusted standard amounts are assigned to each diagnosis related group (DRG).

DACH's cost of providing inpatient services is reflected in the Medical Expense and Performance Reporting System (MEPRS). The MEPRS report (Appendix E)

provides financial and usage data for each inpatient service at DACH (MEDCOM 1996). Each service is assigned a MEPRS code (i.e., internal medicine's code is AAAA). The data related to each MEPRS code is listed in the columns to the right of the codes contained in the report. The final two columns display the average length of stay and average daily patient load. Page three of the MEPRS report states the formulae used to e calculate these figures, ALOS and ADPL (MEDCOM 1996). Average length of stay equals the number of occupied bed days divided by the number of dispositions during the period. Average daily patient load equals the number of occupied bed days divided by the number of days in the period.

MEPRS provides DoD with a mechanism to compare MTF health care costs with the costs of care under CHAMPUS and managed care support contracts (Escobar 1996). DoD decision makers have used MEPRS data to support decisions to create a DoD mail-order pharmacy system, to establish core budget funding for MTFs, to determine the appropriate size of MTFs, and to consolidate activities performing similar missions (MEDCOM 1996).

Mergers and consolidations of organizations are often undertaken to reduce layers of hierarchical positions within both entities and cut costs by giving more work to fewer workers (Robertson 1996). Resource sharing increases the likelihood of maximum return on investment by increasing utilization of the resource, while providing discounted rates to the outsider (Kassirer 1996). Reduction of an organization's staff provides immediate cost savings as salary and wage expenses go down relative to the number and type of

employees released. Lastly, the manager may decide to terminate the provision of a given service based on the organization's inability to compete with its competitors.

These financial trends relate little, or not at all, to the improvement of the patients' costs or outcomes. In *Bed Number Ten*, Sue Baier relates how simple efforts by hospital staff members can help a patient immeasurably (Baier 1985). Baier's book is based on her experiences as a long-term patient in an intensive care unit. Improvements in patient care can occur without causing any significant increase in costs (Baier 1985, 1996). Stories like Ms Baier's raise public concern over what the true focus of today's health care industry should be--patient care or cost control.

The government intervenes when health care providers or insurers display an apparent lack of focus on patient outcome or satisfaction. Governmental intervention in the health care industry occurs as legislation. For example, the State of Washington has granted antitrust clearance, on a case by case basis, for proposed hospital mergers in exchange for promises of price increase limits (Burda 1996). Governmental activities have helped and hurt the patients, providers, and hospitals (Burda 1996). Authors have reported both financial successes and failures as a result of mergers, consolidations, and legislation.

Another example of governmental intervention in health care is the recent maternity stay legislation in 31 states (West 1996). President Clinton used his office to endorse efforts to require health insurance plans to provide coverage for 48-hour minimum hospital stays following normal vaginal deliveries (West 1996). Clinton

praised the Blue Cross and Blue Shield Plan of Pennsylvania for voluntarily adopting the minimum coverage.

Managerial personnel in many health care networks perceived state legislation dictating minimum lengths of stay as an imposition on the caregiver's judgment. These network mangers saw this as the first step in a possible governmental plan to dictate minimum lengths of stay for all categories of patients. Pam Drellow, spokesperson for the Blue Cross and Blue Shield Plan of Pennsylvania, stated, "We're pleased at the President's comments, but we remain opposed to federal regulations on length of stay" (West 1996).

Frustrated and irate health care providers have attempted to influence governmental actions pertaining to length of stay. Some providers have informed their representatives that network utilization managers have criticized certain physicians for inappropriate lengths of stay and for the use of expensive non-generic drugs (Fine 1996). Both of these indicators are then scrutinized to compare individual providers with one another and entire networks against their rivals. Fine states the roots of these indicators can be traced to a 1983 cost containment initiative—the introduction of DRG reimbursement (Fine 1996).

Efforts at cost containment are evinced by the shift from inpatient care to ambulatory care, mergers for vertical and horizontal integration (Lagnado 1996), and reductions in staff and facilities (Robertson and Dowd 1996), as well as the embracing of utilization review (Kongstvedt 1993). Utilization review efforts have led to programs that identify hospital admissions that are inappropriate and lengths of stay that exceed

established guidelines (Kongstvedt 1993). Many health care executives are convinced that a well-run health care organization can survive only if it monitors and keeps in check physicians' performances (Gradison 1996).

Health care within the United States Army Medical Department is influenced by utilization review and cost containment strategies. The BRAC was formed to plan the military's biggest cost containment strategy--the identification of units and installations for termination or scaling back of operations (Palmer 1993).

DoD has felt the need for downsizing as budgets have continued on a downward slope the last few years (Dervarics 1996). The DoD Health Affairs response to reengineering initiatives was the creation of a program known as TRICARE. TRICARE is the DoD managed health care program. TRICARE was introduced to facilitate a capitation-based, resource allocation health care system for the military. It provides for the enrollment of DoD health care beneficiaries to the MTF where they will receive their primary care (Martin 1994). TRICARE is scheduled to start in the northeastern U.S., DACH's region, in April 1998.

A major similarity between TRICARE and health maintenance organizations (HMOs) is that both require enrollment. Enrollment data provide the health care provider a key benefit. The provider for an enrolled population will know the number and type of patients he serves by age group and gender. These statistics are used with local usage factors to calculate the likely demand for primary and specialty care appointments.

Even with increased accuracy in predicting enrollee usage, some managed care organizations have sold off their HMOs. This is due to the dichotomous pressures of

providing patient service and the financial expectations of owners (Kertesz 1996). These networks employed the cost containment strategy of downsizing. The health care industry was not the first to embrace the downsizing trend as a cost containment strategy. However, the health care industry has been a large participant in the last few years (MacPherson 1996).

Managed care has forced many U.S. hospitals and individual providers to reevaluate their role in the provision of health care (Rogers 1994). Many doctors have left
their specialties and have reverted to primary care (Oliver 1996). HMOs have continued
to compete for market share through mergers and acquisitions (Hospital & Health
Networks 20 March 1996, Stahl 1995). Two major payers, large industrial employers and
the government, have exerted pressure on health care organizations. These major payers
have not seen adequate changes in the health care industry to meet their expectations of
reduced costs (Moore 1996, Gardner 1995).

Recent cost studies on the financial feasibility of military hospitals have considered the "make" or "buy" option of various inpatient services. Rogers conducted a cost comparison study of Wilford Hall Medical Center. Rogers' study compared Wilford Hall's FY93 inpatient costs as shown in MEPRS, with the CHAMPUS cost reimbursement for the same workload (Rogers 1994). A study by Watkins (1995) explored the differential costs of providing an individual inpatient service, cardiothoracic surgery, at Wilford Hall Medical Center based on Rogers' methods (Rogers 1994).

Crandell's study compared the FY95 inpatient workload "make" costs at Bliss

Army Community Hospital to the CHAMPUS "buy" cost of those services using a slight

modification to Rogers' methodology (Crandell 1996). Crandell's 1996 work used Rogers' formulae to advise the command on a make or buy decision for all inpatient services at Bliss Army Community Hospital (Crandell 1996). McNeill's 1994 study on determining the costs of graduate medical education within the military gave the Army Medical Department a method for putting a dollar amount to what had previously been an intangible cost (McNeill 1994). Martin's 1994 work attempted to determine the most cost efficient staffing model for a military primary care setting. Martin's study resulted in the adoption of a new primary care oriented staffing model by many military treatment facilities (Martin 1994).

Rogers' and Crandell's studies both concluded the civilian sector was the better financial choice--less expensive. The results of their studies indicated that local civilian health care providers, being reimbursed at CHAMPUS rates, could provide inpatient services for DoD beneficiaries at lower rates than could the respective military facilities. However, neither facility has closed its inpatient service to date.

Military readiness and continuum of care considerations are the likely justifications for these decisions. Each organization must clearly identify its vision and values. These guiding precepts should be reflected in all strategic decision outcomes (Duncan, Ginter, and Swayne 1995). The military will always have a need for hospitals in the future. However, the number and configuration of these facilities and the number of active duty military providers within those facilities may change drastically. This graduate management project, based on the cost methodologies of Rogers, will assist the facility by providing timely information using tried methods.

Purpose of the Study

The purpose of this study is to compare the cost of providing inpatient services at DACH to the cost of purchasing inpatient services from civilian providers reimbursed at the CHAMPUS rate--a "make" or "buy" decision. The alternate hypothesis is that inpatient services provided at DACH cost less than would the same services if they were provided by civilian providers reimbursed at CHAMPUS rates. The null hypothesis is that inpatient services provided at DACH do not cost less than would the same services if they were provided by civilian providers reimbursed at CHAMPUS rates.

CHAPTER 2

METHODS AND PROCEDURES

The primary data source for this study, as with Rogers' and Crandell's earlier works, is the MEPRS data base. The shortcomings of using the MEPRS data base as cited by Rogers are still applicable to this study. MEPRS fails to capture all costs directly attributable to the facility. These costs include facility depreciation, automation support, and medical readiness (Rogers 1994).

This study's methods include a review of the costs to "make" or to "buy" inpatient services for DACH. The formulae used throughout this study were used by Rogers and Crandell (Rogers 1994, Crandell 1996). Rogers received guidance for the formulae development and use from the national CHAMPUS office (OCHAMPUS), located in Aurora, Colorado (Rogers 1994).

"Make" Equation

The "make" equation utilizes MEPRS data to calculate the government's cost of providing inpatient services at DACH. The goal of analyzing MEPRS data is to determine the relevant costs of providing inpatient services (Rogers 1994). Relevant costs are those costs incurred that are directly related to each case of inpatient care provided. Direct and indirect costs plus a predetermined percentage for department level costs are calculated to allocate costs to the inpatient service (Watkins 1995).

The MEPRS report (Appendix E) provides the initial "make" equation costs for inpatient services. An adjustment must be made to the amount reflected on the MEPRS report. The amount of fixed costs assigned to the inpatient services must be reallocated among the other hospital services. This fixed cost component is determined by subtracting the estimated inpatient salary component (Appendix D) and other direct and indirect cost components (Appendix G) attributable to the inpatient services from the initial MEPRS inpatient cost (Crandell 1996).

The MEDCOM Manpower Assessment Model version 1.0 is used to identify the positions on DACH's 0196 TDA that should be eliminated if DACH provided only outpatient services. Consultation with DACH's department and section chiefs confirmed which paragraph and line number positions should be deleted if inpatient services did not exist at DACH. The calculation of the inpatient salary component requires identifying military and civilian positions to be eliminated.

The military inpatient salary component is determined by using rates from the FY96 Army Composite Standard Rates Table (DFAS-IN-AM 201507Z AUG 95). This table includes costs for "quarters, subsistence, medical, and personnel support" in addition to base salary figures (DFAS-IN-AM 201507Z AUG 95). The civilian inpatient salary component is determined by using calendar year 1996 federal pay tables for the specific position code of each worker. The step four level (wage grade) and step five level (all others) are used as median figures to facilitate the inpatient salary computation. The civilian workers' annual income figures also include a five percent increase for

retirement plans. This is to account for the government's maximum matching contribution for enrollees in the Thrift Savings Plan.

The other MEPRS cost savings (Appendix G) reflects reductions or eliminations of costs supporting inpatient care. These cost savings include reductions in the cost of linen procurement and laundering, the cost of food stuffs for the inpatient tray service, and the cost of food-service equipment support. Another cost saving is the termination of 5.67 full-time equivalent Certified Registered Nurse Anesthetists positions—a saving of \$617,200.

Subtracting the inpatient personnel salary savings and the other MEPRS costs savings from the total MEPRS inpatient expense yields the MEPRS fixed cost component. The "fixed cost component" is defined as that part of the total operational costs of DACH which remains if inpatient services are eliminated at DACH. The fixed cost component consists of items such as: (1) administrative staff salaries apportioned through the step-down process to inpatient services; (2) costs related to the physical plant of the facility--depreciation, maintenance, housekeeping, and utilities; and (3) costs of contracts for services and equipment such as transcriptionists' fees and pharmacy drug counting machines.

Fixed costs assigned through MEPRS for DACH's inpatient services are calculated using Formula 4, Appendix F. DACH's MEPRS assigned fixed cost for inpatient services is determined by subtracting the sum of the inpatient salary savings and the other MEPRS savings from the total MEPRS inpatient expense.

DACH's revised funding level is calculated using Formula 5, Appendix F. The revised Federal appropriation is determined by subtracting direct inpatient costs from the total MEPRS inpatient expense. The result of Formula 5, Appendix F, is the basis for DACH's "make decision".

"Buy" Equation

This study follows Rogers' "buy" equation rather than Crandell's modification of it. DACH still provides obstetrical and gynecological inpatient services--these costs are included in the calculation of inpatient costs. Crandell omitted all obstetrical and gynecological inpatient services from his study because his facility no longer provides these services.

The "buy" equation (Formula 3, Appendix F) is used to calculate the total CHAMPUS costs for DACH's FY96 inpatient workload. This formula includes an estimation of the professional fees for DACH's inpatient workload to ensure an accurate calculation of all CHAMPUS costs. The cost of the professional fees is estimated by using Rogers' formula and DACH's actual CHAMPUS expenses reflected on the CHAMPUS Health Care Summary by Diagnosis (Appendix B) for FY96.

The estimated cost of professional fees is calculated using Formula 1,

Appendix F. The total government hospital cost (Appendix E) is divided by total
government professional fees cost (Appendix E) to yield the professional fee multiplier.

The total hospital CHAMPUS charge for DACH (Appendix C) is then multiplied by the
professional fee multiplier to yield the estimated cost for CHAMPUS professional fees.

Patients in most cases are responsible for paying part of the total hospital bill.

This is the "patient cost-share." The amount of the cost-share usually ranges from 20 to 25 percent of the total allowable CHAMPUS charge. The total estimated patient cost-share is calculated by using Formula 2, Appendix F. The total patient cost-share is divided by the total number of inpatient admissions to yield the average cost-share per admission. The average cost-share per admission is multiplied by the number of inpatient admissions at DACH (Appendix C) to yield the total estimated patient cost-share.

The total cost to "buy" DACH's inpatient services is calculated by using Formula 3, Appendix F. The total allowable CHAMPUS charges (Appendix C) are added to the estimated cost for CHAMPUS professional fees. From this sum, the patient cost-share is subtracted to yield the total CHAMPUS cost to "buy" DACH's inpatient services. Comparison of DACH's revised Federal funding level with the total CHAMPUS cost to "buy" inpatient services shows whether it is more expensive for DACH to "make" or "buy" inpatient services.

The reliability and validity of this study depend on the accuracy of the MEPRS data reviewed (Rogers 1994). MEPRS is the accepted DoD Health Affairs standard for data accuracy in military health care (Rogers 1994). The CHAMPUS data base is accepted by the Health Care Financing Administration and is used to estimate future costs of the CHAMPUS program (Escobar 1996).

The amount of error in a measured process determines the reliability of the study.

DACH's entire FY96 inpatient workload is the sample population of this study. This sample population was designed to reduce the potential of seasonal skewing of the

inpatient workload. Confidentiality of patient information was protected during the conduct of this study to ensure the privacy of patient data.

CHAPTER 3

FINDINGS AND UTILITY OF RESULTS

This graduate management project is designed using the formulae used by Rogers (1994). The cost of DACH's FY96 inpatient workload (Appendix E) is compared to the CHAMPUS reimbursement civilian providers would have received if they had provided services equivalent to DACH's FY96 inpatient workload.

This study provides a comparison of DACH's FY96 inpatient MEPRS costs in comparison with the costs of purchasing the same services from civilian providers reimbursed by CHAMPUS. The findings of this study will be relevant to decision makers in determining the level of inpatient services for DACH as part of the FY98 budget planning process. This study does not prove that the number of inpatient episodes of care will remain constant for DACH once TRICARE operations start. TRICARE operations will have an impact on patient usage and provider requirements.

The results of this study, using FY96 data, are of concern to the DACH command group even without knowing the actual effects of TRICARE--a possible decrease in the quantity of inpatient services demanded due to increased patient costs. The current DACH patient population possessing third party insurance is also expected to change due to the onset of TRICARE. These patients are more attractive to DACH to enroll in TRICARE. DACH would receive funding for these patients based not only on the

captitated rate for enrollees, but also gain the benefit of additional funds through the third party collection program.

DACH should continue to examine costs and concentrate scarce financial resources on the most cost efficient means of providing care to beneficiaries. The outcome of this study indicates there is no financial need for closure of DACH's inpatient services. While DACH is not in competition with the civilian hospitals, DACH could be downsized or closed if the civilian sector is perceived as less expensive. The economic viability of DACH requires the command to be an efficient provider of health care.

DACH's continued pursuit of more efficient methods of follows contemporary strategic planning principles (Duncan, Ginter and Swayne 1995). DACH must take action now to influence what services it will offer in the future. Cost comparisons such as this study must be done to evaluate each of DACH's services. "Make" or "buy" decisions made now can provide potentially vast savings. DoD is conducting "make" versus "buy" studies in many areas to determine whether to contract out for various services. These studies are a necessity as DoD attempts to do more with less (GAO/T-AIMD-95-146 1995).

CHAPTER 4

DISCUSSION

Numerous articles have reported the possible savings the government could realize if many of its functions were provided by civilian firms. The government has been exploring these options for more than a decade. The cost of health care provided within DoD was compared with CHAMPUS costs in a 1985 DoD report. The report concluded that the MHSS enjoyed a 44 percent cost advantage over the civilian sector in the mid-1980s (Rogers 1994).

In recent years though, there has been a huge push for the privatization of governmental functions. Newer studies have been conducted to compare the MHSS to the civilian sector. A 1994 DoD report states the cost to provide care by the MHSS is no longer significantly less than the civilian sector. The cost advantage was reported to have "dropped to a 1 to 2 percent margin" in favor of the MHSS (DoD 1994).

The results of this study are significantly different from those of Rogers (1994) and Crandell (1996). The results of Rogers' and Crandell's studies demonstrated their respective facilities were not cost competitive with the civilian sector (Rogers 1994, Crandell 1996). DACH, however, is shown to have provided care at a much lower rate than potential CHAMPUS providers.

Cost efficiencies developed in recent years by the command at DACH, may have influenced the outcome of this study. Also, the high cost of professional services in the

Washington D.C. area may have significantly effected the outcome of this study. The professional services provided by the civilian sector are estimated to cost 50 percent more those provided by DACH. The results of this study warrant further investigation on possibly a regional basis to see if any of the other federal MTFs in the area demonstrate similar findings.

CHAPTER 5

CONCLUSIONS AND RECOMMENDATIONS

The results of this study indicate DACH is a less expensive provider of inpatient services than the civilian sector reimbursed by CHAMPUS--\$9,840,138 compared to \$17,101,191. This outcome supports the alternate hypothesis of the study. DACH's provision of inpatient services should continue if this decision is based solely on a cost comparison.

The National Capital Area's high cost of living may have led area health care providers to have abnormally higher costs when compared to DACH. The steps DACH has taken steps to reduce cost inefficiencies in its provision of care. DACH's decision to provide a community-based delivery system with a focus on primary care and wellness is justified in Shortell's writings (1996). Some of DACH's significant cost advantage indicated by this study may be attributed to the adoption of the principles employed in managed care.

The results of this study are significantly different than the studies conducted at Wilford Hall (Rogers 1994) and Bliss Army Community Hospital (Crandell 1996).

DACH's managed care workload concentrates heavily on primary care. Wilford Hall Medical Center provides a high volume of specialty care as well as graduate medical education. Bliss Army Community Hospital provides a low volume of general medical care. DACH's concentration on primary care is a cost containment strategy in

preparation for TRICARE. This study shows that the continuation of inpatient services at DACH is a prudent financial decision in support of its primary care mission.

This conclusion should be explored further in other studies to evaluate the cost efficiencies derived specifically from the employment of managed care principles.

Further use of the MEDCOM Manpower Assessment Survey Model version 1.0 is not recommended. The model's successor, the Automated Staffing Assessment Model (ASAM), is currently being fielded by the U.S. Army MEDCOM Strength Management Division. ASAM is scheduled for full deployment by 1 January 1998 (Esparza 1997).

ASAM was designed as a refinement of its predecessor. It will facilitate MTF command decisions on TDA positions based on workload to provider modeling.

Future studies should account for the impact of the third party collection program. The third party collection program is a recent change to MTF financial calculations. The program allows MTFs to bill third party insurers for a portion of health care provided to DoD beneficiaries who possess civilian health insurance. FY96 was DACH's first full year to participate in the third party collection program. DACH provided MEDCOM with \$1,158,383 in FY96 (Mack 1997).

In FY96, MTFs were required to give all income generated through the third party collection program to MEDCOM. In FY97 and thereafter, MEDCOM will establish a third party collection program goal for each MTF. This goal will be in the form of a decrement from the MTF's core budget. Income from the third party collection program received above the established decrement is kept by the MTF and added into the MTF's budget (Mack 1997). This provides the MTF with an incentive to garner as much income from the third party collections program as possible.

DACH is projected to add \$600,000 in third party collection program funds to its FY97 budget. This amount is in excess of DACH's program goal, budget decrement, of \$755,000 (Mack 1997). This addition makes DACH's already favorable cost comparison look even better. The program was not factored into this study, as the funds generated through the program during FY96 all went to MEDCOM.

DACH also is now remunerated by other governmental agencies from which it could not previously collect. The cost of health care provided by DACH to members of the United States Coast Guard, the National Oceanic and Atmospheric Administration, and the United States Public Health Service is now reimbursable. This addition to DACH's coffers constitutes an additional improvement in DACH's comparison to CHAMPUS paid providers.

Upon examination of the results of this study, only one cost comparison conclusion can be reached: care at DACH is much less costly than that delivered by civilian providers reimbursed at CHAMPUS rates. This conclusion supports the premise that DACH should remain a provider of at least some, if not all, of the inpatient services it currently provides. Some economies of scale may be derived by a consolidation of certain services with other NCA MTFs, but further cost analysis studies should be conducted prior to any decisions along these lines.

APPENDIX A

List of Acronyms

ASAM - Automated Staffing Assessment Model

BRAC - Base Realignment and Closure Commission

CHAMPUS - Civilian Health and Medical Program of the Uniformed Services

DACH - DeWitt Army Community Hospital

DRG - diagnosis related group

DoD - Department of Defense

FY - fiscal year

HMO - health maintenance organization

MEPRS - Medical Expense and Performance Reporting System

MHSS - military health services system

MTF - medical treatment facility

NCA - National Capital Area

APPENDIX B

DACH FY96 Healthcare Summary by Primary Diagnosis

HR085-007 (OHRJ6Q) RUN DATE: 07 FEB 1997 MONTHS

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CHAMPUS HEALTH CARE SUMMARY BY PRIMARY DIAGNOSIS BASED ON CARE RECEIVED FROM OCT 1995 THRU SEP 1996

COLLECTION PERIOD: 15

123 - DEWITT AH FT BELVOIR, VA

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REPORT SPECIFICATIONS PAGE

THIS REPORT SUMMARIZES COST AND UTILIZATION DATA. INPATIENT AND OUTPATIENT EFFECT DURING THE REPORT PERIOD IS USED TO DETERMINE THE CATCHMENT AREAS. DATA ARE PROVIDED FOR 26 MEDICAL SPECIALTIES, WITH GRAND TOTALS. THIS RE-PORTS, THE MILITARY HEALTH SERVICES SYSTEM CATCHMENT AREA DIRECTORY IN PORT IS BASED ON BENEFICIARY RESIDENCE ZIP CODES. FOR CATCHMENT AREA RE-

THIS REPORT EXCLUDES CHAMPVA DATA, CONTRACTOR DENIED CLAIMS, AND CLAIMS WITH ZERO GOVERNMENT OR CONTRACTOR COST. FOREIGN COUNTRY CLAIMS ARE IN-CLUDED. BILLED CHARGES FOR DENIED LINE ITEMS ARE INCLUDED, BUT THE NUMBER OF SERVICES IS NOT.

THIS REPORT REFLECTS CARE PROVIDED UNDER CHAMPUS IN A FLOATING 12-MONTH PERIOD. THE DATA COLLECTION PERIOD IS 15-MONTHS. SEE THE "USER'S GUIDE FOR THE CHAMPUS WORKLOAD REPORTS" FOR ESTIMATED COMPLETION RATES

AND MENTAL HEALTH DEMONSTRATION (NORFOLK, VA) DATA. PLEASE NOTE THAT DATA THIS REPORT CONTAINS STANDARD CHAMPUS, CHAMPUS REFORM INITIATIVE (CRI), FOR BOTH PARTNERSHIP AND NON-PARTNERSHIP CLAIMS ARE INCLUDED IN THIS RE-

BEGINNING WITH THE APR 93 - MAR 94 REPORT PERIOD, SOME MEDICAL SPECIALTIES VISIT SERVICES UNDER "DRUGS" IS THE NUMBER OF OUTPATIENT DRUG PRESCRIPTIONS OUTPATIENT DRUG COSTS ARE NOW INCLUDED IN THIS TOTAL. THE NUMBER OF NON-RE-GROUPED UNDER "MENTAL HEALTH." "DRUGS" WERE ADDED AS A SPECIALTY TO WERE RE-ALIGNED, ADDED, OR DELETED, I.E. "GROUPS I AND II PSYCHIATRY" WERE BEGINNING WITH THIS REPORT PERIOD, THE AVERAGE COST PER OUTPATIENT VISIT FOR "GRAND TOTAL ALL CATEGORIES" WILL INCREASE SIGNIFICANTLY, BECAUSE REFLECT COST AND UTILIZATION FOR OUTPATIENT PRESCRIPTION DRUGS. ALSO FOR MORE DETAILED INFORMATION ABOUT THIS REPORT, REFER TO THE USER'S

OCHAMPUS/INFORMATION SYSTEMS DIVISION/STATISTICS BRANCH

HR085-007 (OHRJ6Q) RUN DATE: 07 FEB 1997

CHAMPUS HEALTH CARE SUMMARY BY PRIMARY DIAGNOSIS BASED ON CARE RECEIVED FROM OCT 1995 THRU SEP 1996 123 - DEWITT AH FT BELVOIR, VA

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*********	HEMA- TOLOGY	10 3 2 5 10 102 10.20 0.28 37,534 13,724 51,258 3,753.40 3,753.40	17 5 7 6 78 24 4,214 3,642 7,856
******	GASTRO- ENTEROLOGY	40 14 8 18 45 164 3.64 0.45 117,057 55,189 172,246 2,601.27 713.76	130 50 33 47 470 233 33,660 23,198 56,858
CATEGORY OF CARE - INTERNAL MEDICINE ******	ENDO- CRINOLOGY	11 5 2 4 12 39 3.25 0.11 20,394 25,886 46,280 1,699.50	21 7 6 8 75 8 2,747 2,545 5,292
ERNAL MED	DERM- ALLERGY CARDIOLOGY ATOLOGY	3 2 1 0 4 4 29 7.25 0.08 16,855 75 16,930 4,213.75 581.21	15 8 1 7 7 9 13 1,908 291 2,199
CARE - INTI	ARDIOLOGY	89 21 48 20 113 566 5.01 1.55 1,184,285 161,209 1,345,494 10,480.40 2,092.38	253 46 132 76 1,855 656 341,766 233,940 575,706
ORY OF	ERGY C.	19 14 1 4 21 28 2.76 0.16 37,026 11,779 48,805 11,763.14	24 15 2 7 7 10 6,049 3,582 9,631
_	SE ONS ALL	22 13 8 8 22 22 34 1.55 0.09 41,109 7,068 48,177 1,868.59	25 25 26 9 24 145 112 11,934 6,353
*************	ADVERSE REACTIONS I INPATIENT HOSPITAL SERVICES	USER BENEFICIARIES 22 19 DEPNT OF ACT DUTY SPONSOR 13 14 RETIREE 1 1 DEPNT OF RET OR DEC SPONSOR 8 4 TOTAL HOSPITAL ADMISSIONS 22 21 HOSPITAL DAYS 34 58 AVERAGE LENGTH OF STAY (DAYS) 1.55 2.7 AVERAGE DAILY PATIENT LOAD 0.09 0. TOTAL GOVERNMENT COST 41,109 37 TOTAL GOVT AND PATIENT COST 48,177 44 AVG GOVT COST PER ADMISSION 1,868.59 1, AVG GOVT COST PER DAY 1,209.09 6	II INPATIENT PROFESSIONAL SERVICES USER BENEFICIARIES DEPNT OF ACT DUTY SPONSOR 25 RETIREE DEPNT OF RET OR DEC SPONSOR 24 NUMBER OF VISITS 114 TOTAL GOVERNMENT COST 11,5 TOTAL PATIENT COST 11,5 TOTAL GOVT AND PATIENT COST 18,5

III TOTAL INPATIENT SERVICES		32	264		22	141	. 22
DEPNT OF ACT DUTY SPONSOR	31	20	48	6	7	52	9
RETIREE	10	7	138		9	35	6
DEPNT OF RET OR DEC SPONSOR	27		79		6	54	∞
	53,043		1,526,051		23,141	150,716	41,748
	13,421		395,148		28,431	78,387	17,366
TENT COST	66,464		1,921,199		51,572	229,103	59,11
	2,411.05	2,051.24	13,504.88		1,928.42	3,349.24	4,174.8
	1,560.09	742.69	2,696.20		593.36	919.00	409.29
13. OTHER ATTENT PROFESSIONAL SERVICES	ZES				•		
USER BENEFICIARIES	963	2,158	2,294	4,437	1,036	2,419	309
DEPNT OF ACT DUTY SPONSOR	549	1,293	539	2,636	348	1,277	131
RETIREE	83	161	821	472	227	302	53
DEPNT OF RET OR DEC SPONSOR	333	722	940	1,342	464	844	125
NUMBER OF VISITS	968	11,502	6,708	6,217	2,152	2,911	1,785
NUMBER OF NON-VISIT SERVICES	2,564	2,927	14,092	6,667	6,199	669'6	2,408
TOTAL GOVERNIMENT COST	99,703	379,286	269,699	318,589	161,489	347,957	111,017
TOTAL PATIENT COST	72,016	216,075	534,852	162,845	129,566	278,005	79,004
TOTAL GOVT AND PATIENT COST	171,719	595,361	1,204,549	481,434	291,055	625,962	190,021
AVG GOVT COST PER VISIT	111.28	32.98	99.84	51.24	75.04	119.53	62.19
V OUTPATIENT CARÉ COST SHARED AS INPATIENT	AS INPAT	IENT					
USER BENEFICIARIES	0	0	0	0	0	0	0
DEPNT OF ACT DUTY SPONSOR	0	0	0	0	0	0	0
RETIREE	0	0	0	0	0	0	0
DEPNT OF RET OR DEC SPONSOR	0	0	0	0	0	0	0
TOTAL GOVERNMENT COST	0	0	0	0	0	0	0
TOTAL PATIENT COST		0	0	0	0	0	0
TOTAL GOVT AND PATIENT COST	0	0	0	0	0	0	0

	319	134	57	129	152,765	96,370	249,135
	2,482	1,305	317	864	498,673	356,391	855,064
	1,045	350	230	468	184,630	157,996	342,626
	4,445	2,639	473	1,346	337,352	163,211	500,563
	2,376	559	859	965	2.195.748	930,001	3,125,749
	2.167	1,297	161	727	422.361	231 436	653,797
TCARE	664	563	× ×	349	152 745	85.437	238,182
VI TOTAL INPATIENT AND OUTPATIEN	TICED BENEFICIARIES	DEBNIT OF ACT DITTY SPONSOR	DEFINI OF ROLL DOLL SI CINCOLL DEPTIDEE	NET INCE DEBNIT OF BET OR DEC SPONSOR	TOTAL COVERNMENT COST	TOTAL DOTEIN COST	TOTAL GOVT AND PATIENT COST 238,182 65

HR085-007 (OHRJ6Q) CHAMPUS HEALTH CARE SUMMARY BY PRIMARY DIAGNOSIS

OTHER		261	249	0	12	265	702	2.65	1.92	500,637	21,422	522,059	1,889.20	713.16			318	260	15	48	693	217	65,220	15,280	80,500
RHEUMA-)))			9						133,613	30,093	163,706	7,859.59	2,226.88			41	9	6	26	44	92	35,613	45,210	80,823
PULMONARY RESPIRATORY		. 84	27	23	34	98	304	3.53	0.83	267,242	87,870	355,112	3,107.47	879.09			305	75	116	116	1,406	454	88,770	976'09	149,696
NUTRI- F		-	0	0	-	1	-	1.00	0.00	114	911	1,025	114.00	114.00			=======================================	7	7	7	121	14	11,155	2,481	13,636
NEU- POI OGY		34	18	9	10	35	735	21.00	2.01	296,572	56,480	353,052	8,473.49	403.50			107	42	27 .	38	512	162	39,934	42,679	82,613
NEPH-	NOTOO		4	-	7	9	18	3.00	0.05	15,456	4,611	20,067	2,576.00	858 67			37	13	12	12	129	29	10,076	9,572	19,648
INFECTIOUS NEPH-	SEASE	14	7	7	S	14	69	4:93	0.19	55,514	9,135	64,649	3.965.29	804 55			39	13	13	13	204	55	13,056	6,367	19,423
F. C.		INFAILENT MOST TIME SERVICES	DEPNT OF ACT DUTY SPONSOR	RETIREE	DEPNT OF RET OR DEC SPONSOR			AVERAGE LENGTH OF STAY (DAYS)	AVERAGE DAILY PATIENT LOAD	TOTAL GOVERNMENT COST	TOTAL PATIENT COST	TOTAL GOVT AND PATIENT COST	AVG GOVT COST PER ADMISSION	AVC GOLT COST BED AV	AVG GOVI COSI 1 EN PAI	II INPATIENT PROFESSIONAL SERVICES	USER BENEFICIARIES	DEPNT OF ACT DUTY SPONSOR		DEPNT OF RET OR DEC SPONSOR		NUMBER OF NON-VISIT SERVICES	TOTAL GOVERNMENT COST	TOTAL PATIENT COST	TOTAL GOVT AND PATIENT COST

III TOTAL INPATIENT SERVICES	45	40	117	12	318	42	391
DEPNY OF ACT DITTY SPONSOR	18	t 1	48	7	79	9	336
RETIREE	13	12	28	2	117	10	15
DEPNT OF RET OR DEC SPONSOR	14	14	41	3	124	76	26
TOTAL GOVERNMENT COST	68,571	25,532	336,505	11,269	356,011	169,226	565,858
TOTAL PATIENT COST	15,502	14,182	99,158	3,391	148,796	75,303	36,701
TOTAL GOVT AND PATIENT COST	84,073	39,714	435,663	14,660	504,807	244,529	602,559
AVG GOVT COST PER ADMISSION	4,897.93	4,255.33	9,614.43	11,269.00	4,139.66	9,954.47	2,135.31
AVG GOVT COST PER DAY	993.78	3 1,418.44	457.83	11,269.00	1,171.09	2,820.43	806.07
IV OUTPATIENT PROFESSIONAL SERVICE	ICE						
USER BENEFICIARIES			1,490	52	4,986	1,060	3,601
DEPNT OF ACT DUTY SPONSOR	1,131		689	35	3,059	437	1,966
RETIREE	. 80	70	246	m	632	221	301
DEPNT OF RET OR DEC SPONSOR	361		558	14	1,314	403	
NUMBER OF VISITS	1,925		6,724	109	8,105	4,484	
NIMBER OF NON-VISIT SERVICES	2,398		7,810	123	9,499	2,859	
TOTAL GOVERNMENT COST	121,480		553,661	6,333	544,664	138,690	-
TOTAL PATIENT COST	48,311		331,874	5,399	369,929	124,728	
TOTAL GOVT AND PATIENT COST	169,791		885,535	11,732	914,593	263,418	
AVG GOVT COST PER VISIT	63.11		82.34	58.10	67.20	30.93	
V OUTPATIENT CARE COST SHARED AS INPATIENT	AS INPATII	INE					
							•

JSER BENEFICIARIES DEPNT OF ACT DUTY SPONSOR RETIREE DEPNT OF RET OR DEC SPONSOR

•	3,850	2.184		212	1,386	1 044 920	20011011	373,138	1.418.058	
	1,076	439	2 6	477	414	307 916	24,100	200,031	507 947	
	5,136	3,103	2016	989	1,370	275,000	200,000	518,725	1 419 400	7) 177 17
	63	CV	71	S	16	17 603	700,11	8,790	76 302	40,00
	1 537	110	110	260	570	27.000	890,107	431,032	1 221 100	1,321,127
	138		90	56	95		771,117	2 289,162	700 207	400,204
I CARE	1 596	2,7,7	1,142	87	371		190,051	63.812	, , , ,	700,007
VI TOTAL INPATIENT AND OUTPATIENT	TOTAL DENTE PROPERTY A DIEGO	USEK BENEFICIARIES	DEPNT OF ACT DUTY SPONSOR	DETIDEE	NET INCE	DEPNI OF REI ON DEC SPONSON	TOTAL GOVERNMENT COST	TOTAL DATIFICATION		TOTAL GOVT AND PATIENT COST

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CHAMPUS HEALTH CARE SUMMARY BY PRIMARY DIAGNOSIS

PEDIATRICS SPECIAL 134,531 2,230.09 1,159.75 67,617 202,148 89,194 16,273 10.55 0.32 227 599 DRUGS 0 0.00 0.00 000 0 0 0 53,036 22,284 75,320 1,316,905 BASED ON CARE RECEIVED FROM OCT 1995 THRU-SEP 1996 MENTAL HEALTH ,413,405 1,017 11,654.03 123 59 9 55 29 113 2,732 24.18 7.48 GYNE- OPHTHAL-COLOGY MOLOGY 2,615 0.00 0 26,155 39,295 65,450 56,999 6,333.22 227.09 130 93,660 27.89 69.0 36,661 251 STETRICS 2,943.96 906,256 903,797 ,409.98 83,997 941,328 37,531 8,327 OB-1,475 1.76 307 2.09 641 USED INPATIENT PROFESSIONAL SERVICES AVERAGE LENGTH OF STAY (DAYS) DEPNT OF RET OR DEC SPONSOR NUMBER OF NON-VISIT SERVICES FOTAL GOVT AND PATIENT COST **FOTAL GOVT AND PATIENT COST** AVG GOVT COST PER ADMISSION DEPNT OF RET OR DEC SPONSOR AVERAGE DAILY PATIENT LOAD DEPNT OF ACT DUTY SPONSOR DEPNT OF ACT DUTY SPONSOR **FOTAL HOSPITAL ADMISSIONS** INPATIENT HOSPITAL SERVICES **FOTAL GOVERNMENT COST** FOTAL GOVERNMENT COST AVG GOVT COST PER DAY *FOTAL PATIENT COST* FOTAL PATIENT COST USER BENEFICIARIES **RUN DATE: 07 FEB 1997** USER BENEFICIARIES NUMBER OF VISITS HOSPITAL DAYS UNDUPLICATED RETIREE RETIREE

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			370				6,330,954 2	TION OF THE D.	JNDUPLICATED
	1,281	713	187	383	146,963	171,016	317,979	CLARIFICA	IGNID
	1,690	810	16	698	334,847	268,389	603,236	PORT FOR	VOIR, VA
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TPATIENT CARE	0	NSOR 0	0	ONSOR 0	0 I	0	T COST 0	PECIFICATIONS PAGE)	123 - DEWITT AH FT BELVOIR, VA
VI TOTAL INPATIENT AND OUTPATIENT CARE	USER BENEFICIARIES	DEPNT OF ACT DUTY SPONSOR	RETIREE	DEPNT OF RET OR DEC SPONSOR	TOTAL GOVERNMENT COST	TOTAL PATIENT COST	TOTAL GOVT AND PATIENT COST	NOTE: REFER TO PAGE 1 (SPECIFICA	REPORT. RUN TIME: 09:52:54 MODE: 7B,BENE ZIP

I INPATIENT HOSPITAL SERVICES

APPENDIX C

DACH's FY96 Inpatient Workload by DRG

DRGIDESCRIPTION	#Cases	WtdVal	Cost per Case	DRG CHAMPUS Cost	Cost
6 Carnal Tunnel Release	17	0.8124	\$3,959.76	\$67,315.91	
7 Perjaph & Cranial Nerve & Other Nerv Syst Proc w CC	-	2.6017	\$12,681.08	\$12,681.08	
1	12	1.1794	\$5,748.57	\$68,982.87	DeWitt's
Degenerative Nervous System Disorde	-	0.9891	\$4,821.02	\$4,821.02	FY96
T	က	0.7858	\$3,830.11	\$11,490.32	ASA Rate
	12	1.2065	\$5,880.66	\$70,567.94	\$4,874.15
	14	0.7227	\$3,522.55	\$49,315.67	
	-	0.9242	\$4,504.69	\$4,504.69	
Т	-	0.599	\$2,919.62	\$2,919.62	
1	7	2.1157	\$10,312.24	\$20,624.48	
Viral Meningitis	4	1.535	\$7,481.82	\$29,927.28	
-1	+	0.9908	\$4,829.31	\$53,122.39	
25 Seizure & Headache Age >17 w/o CC	7	0.5681	\$2,769.00	\$19,383.03	
1	2	0.8993	\$4,383.32	\$21,916.62	
- 1	2	1.3476	\$6,568.40	\$13,136.81	
	2	0.4819	\$2,348.85	\$4,697.71	
1	2	1.0569	\$5,151.49	\$10,302.98	
\top	79	0.5306	\$2,586.22	\$204,311.70	
\top	10	0.7	\$3,411.91	\$34,119.05	
1	15	0.3244	\$1,581.17	\$23,717.61	
	4	0.5615	\$2,736.84	\$10,947.34	
Т	2	0.615	\$2,997.60	\$5,995.20	
\top	2	0.7593	\$3,700.94	\$7,401.88	
	2	0.4539	\$2,212.38	\$11,061.88	
\top	1	0.2859	\$1,393.52	\$1,393.52	
T	1	0.9392		\$4,577.80	
1	-	0.4634	\$2,258.68	\$2,258.68	
1	-	0.7238		\$3,527.91	
Т	18	0.8195		\$71,898.59	
1	1	1.045	\$5,093.49	\$5,093.49	
59 Tonsillectomy & or Adenoidectomy Only, Age >17	10	0.5963		\$29,064.56	
Tonsillectomy & or Adenoidectomy Or	103	0.2004		\$100,608.30	
Myringotomy w Tube Insertion Age >1	3	1.2221	\$5,956.70	\$17,870.10	
	22	0.2837	\$1,382.80	\$103,709.73	
_	2	1.1462		\$27,933.75	
1	8	0.5162	\$2,516.04	\$20,128.29	
-1					

F 68 Offitis Media & URI Age > 17 w CC	5	0.7094	\$3,457.72	\$17,288.61	
	5	0.527	\$2,568.68	\$12,843.39	
Т	17	0.3129	\$1,525.12	\$25,927.07	
Т	4	0.7206	\$3,512.31	\$14,049.25	
1	3	0.6419	\$3,128.72	\$9,386.15	
\top	2	0.773	\$3,767.72	\$18,838.59	
\top	39	0.3223	\$1,570.94	\$61,266.60	
7	7	1.4136	\$6,890.10	\$13,780.20	
+	4	1.6625	\$8,103.27	\$32,413.10	
Major Chest Trauma w CC	1	0.9557	\$4,658.23	\$4,658.23	
\top	4	1.1917	\$5,808.52	\$23,234.10	
86 Pleural Effusion w CC	1	0.6848	\$3,337.82	\$3,337.82	
1	_	1.3589	\$6,623.48	\$6,623.48	
Chronic Obstructive Pulmonary Disease	31	1.0018	\$4,882.92	\$151,370.63	
Simple Pruemonia & Pleurisy Age >17	49	1.1211	\$5,464.41	\$267,756.07	
Simple Pnuemonia & Pleurisy Age >17	7	0.6996	\$3,409.96	\$23,869.69	
Simple Pnuemonia & Pleurisy Age 0-1	27	0.8366	\$4,077.71	\$110,098.28	
	_	1.2	\$5,848.98	\$5,848.98	
93 Interstitial Lung Disease w/o CC	-	0.755	\$3,679.98	\$3,679.98	
Т	1	1.2378	\$6,033.22	\$6,033.22	
Т	9	0.6242	\$3,042.44	\$18,254.67	
96 Bronchitis & Asthma Age >17 w CC	16	0.839	\$4,089.41	\$65,430.59	
	19	0.6089	\$2,967.87	\$56,389.53	
1	7.7	0.6696	\$3,263.73	\$251,307.27	
_	4	0.6959	\$3,391.92	\$13,567.68	
1	2	0.5034	\$2,453.65	\$12,268.24	
_	5	0.912	\$4,445.22	\$22,226.12	
_	2	0.5595	\$2,727.09	\$5,454.17	
	-	1.9531	\$9,519.70	\$9,519.70	
121 Circulatory Disorders w AMI & CV Comp Disch Alive	26	1.6459	\$8,022.36	\$208,581.45	
122 Circulatory Disorders w AMI w/o CV Comp Disch Alive	23	1.1614	\$5,660.84	\$130,199.27	
123 Circulatory Disorders w AMI Expired	4	1.437	\$7,004.15	\$28,016.61	
126 Acute & Subacute Endocarditis	1	2.6049	\$12,696.67	\$12,696.67	
127 Heart Failure & Shock	37	1.0302	\$5,021.35	\$185,789.93	
128 Deep Vein Thrombophlebitis	1	0.7929	\$3,864.71	\$3,864.71	
129 Cardiac Arrest. Unexplained	1	1.1376	\$5,544.83	\$5,544.83	
130 Derinheral Vascular Disorders w CC	17	0.9384	\$4,573.90	\$77,756.34	
100 I dipital veccuiu increasi					

Afrienoscienosis w CC	131 Perinheral Vascular Disorders w/o CC	17	0.6002	\$2,925.46	\$49,732.90	
Hypertension	_	23	0.6861	\$3,344.15	\$76,915.55	
Hypertension Cardiac Advantar Disorders Age >17 w CC 1 0 898 8 \$2,827.01 Cardiac Congenital & Vahvular Disorders Age >17 w CC 38 0.0849 \$3,932.80 6 Cardiac Arrithymia & Conduction Disorders w CC 38 0.0849 \$3,932.81 6 5 Cardiac Arrithymia & Conduction Disorders w CC 34 0.4945 \$2,410.27 6 Cardiac Arrithymia & Conduction Disorders w CC 34 0.4945 \$2,410.27 6 5 0.07149 \$3,076.56 \$2,404.53 6 0.07149 \$3,076.56 \$2,540.26 \$2,540.26 \$2,540.26 \$2,540.26 \$2,540.26 \$2,540.26 \$2,540.26 \$2,540.26 \$2,540.26 \$2,540.26 \$2,540.26 \$2,540.26 \$2,540.26 \$2,540.26 \$2,540.26 \$2,540.26 \$2,540.26 \$2,540.26 \$2,540.26 \$2,540.26 \$2,540.26 \$2,540.26 \$2,540.26 \$2,540.26 \$2,540.26 \$2,540.26 \$2,540.26 \$2,540.26 \$2,540.26 \$2,540.26 \$2,540.26 \$2,540.26 \$2,540.26 \$2,540.26 \$2,540.26 \$2,540.26 \$2,540.26 \$2,540.26 \$2,540.26 \$2,540.26 \$2,540.26 \$2,540.26 \$2,540.26 \$2,540.26 \$2,540.26 \$2,540.26 \$2,540.26 \$2,540.26 \$2,540.26 \$2,540.26 \$2,540.26 \$2,540.26 \$2,540.26 \$2,540.26 \$2,540.26 \$2,540.26 \$2,540.26 \$2,540.26 \$2,540.26 \$2,540.26 \$2,540.26 \$2,540.26 \$2,540.26 \$2,540.26 \$2,540.26 \$2,540.26 \$2,540.26 \$2,540.26 \$2,540.26 \$2,540.26 \$2,540.26 \$2,540.26 \$2,540.26 \$2,540.26 \$2,540.26 \$2,540.26 \$2,540.26 \$2,540.26 \$2,540.26 \$2,540.26 \$2,540.26 \$2,540.26 \$2,540.26 \$2,540.26 \$2,540.26 \$2,540.26 \$2,540.26 \$2,540.26 \$2,540.26 \$2,540.26 \$2,540.26 \$2,540.26 \$2,540.26 \$2,540.26 \$2,540.26 \$2,540.26 \$2,540.26 \$2,540.26 \$2,540.26 \$2,540.26 \$2,540.26 \$2,540.26 \$2,540.26 \$2,540.26 \$2,540.26 \$2,540.26 \$2,540.26 \$2,540.26 \$2,540.26 \$2,540.26 \$2,540.26 \$2,540.26 \$2,540.26 \$2,540.26 \$2,540.26 \$2,540.26 \$2,540.26 \$2,540.26 \$2,540.26 \$2,540.26 \$2,540.26 \$2,540.26 \$2,540.26 \$2,540.26 \$2,540.26 \$2,540.26 \$2,540.26 \$2,540.26 \$2,540.26 \$2,540.26 \$2,540.26 \$2,540.26 \$2,540.26 \$2,540.26 \$2,540.26 \$2,540.26 \$2,540.26 \$2,540.26 \$2,540.26 \$2,540.26 \$2,540.26 \$2,540.26 \$2,540.26 \$2,540.26 \$2,540.26 \$2,540.26 \$2,540.26 \$2,540.26 \$2,540.26 \$2,540.26 \$2,540.26 \$2,540.26 \$2,540.26 \$2,540.26 \$2,540.26 \$2,540.26 \$2,540.26 \$2,540.26 \$2,540.26 \$2,540.26 \$2,540.26 \$2,540.26 \$2,540.26 \$2,540.2		æ	0.5347	\$2,606.21	\$20,849.66	
Cardiac Congenital & Valvular Disorders Age >17 wCC 1 0.8988 \$4,380.89 Cardiac Candiacy Arthymia & Conduction Disorders w CC 34 0.80494 \$3,23.20 \$3,23.20 Cardiac Arthymia & Conduction Disorders w CC 34 0.4945 \$2,410.27 \$3,076.56 \$2,440.27 Angina Pectoris Cardiac Arthymia & Conduction Disorders w CC 10 0.7149 \$3,484.53 \$3,076.56 \$3,076.56 \$2,542.30 \$3,000.56 \$3,076.56 \$2,542.30 \$3,000.56 \$3,000.56 \$3,000.56 \$3,000.56 \$3,000.56 \$3,000.56 \$3,000.56 \$3,000.56 \$3,000.56 \$3,000.56 \$3,000.56 \$3,000.56 \$3,000.56 \$3,000.56 \$3,000.56 \$3,000.56 \$3,000.56 \$3,000.56 \$3,000.56 \$3,000.56 \$3,000.56 \$3,000.56 \$3,000.56 \$3,000.56 \$3,000.56 \$3,000.56 \$3,000.56 \$3,000.56 \$3,000.56 \$3,000.56 \$3,000.56 \$3,000.56 \$3,000.56 \$3,000.56 \$3,000.56 \$3,000.56 \$3,000.56 \$3,000.56 \$3,000.56 \$3,000.56 \$3,000.56 \$3,000.56 \$3,000.56		6	0.58	\$2,827.01	\$25,443.06	
Cardiac Arrthymia & Conduction Disorders w CC 34 0.8049 \$3.92.20 \$3.92.20 Cardiac Arrthymia & Conduction Disorders w/o CC 57 0.6312 \$3.076.56 \$2.410.27 Angina Pectoris 50 0.5216 \$2.410.27 \$3.076.56 \$2.542.36 Syncope & Collapse w CC 5 0.5216 \$2.542.36 \$2.542.36 Chest Pain 139 0.5216 \$2.542.36 \$2.542.36 Chest Pain 139 0.5216 \$5.20.98 \$2.542.36 Other Circulatory System Diagnoses w/ CC 4 1.0689 \$5.20.98 \$5.20.98 Other Circulatory System Diagnoses w/ CC 4 1.0689 \$5.14.57 \$5.09.99 Other Circulatory System Diagnoses w/ CC 4 1.0689 \$5.13.37 \$5.00.88 Major Small & Large Bowel Procedures w CC 5 1.2666 \$6.14.35 \$1.00.85 Major Small & Large Bowel Procedures w CC 1 1.3865 \$1.246.23 \$1.00.05 Minor Small & Large Bowel Procedures w CC 2 1.200 \$5.146.35 \$1.00.05 Mi	_	1	0.8988	\$4,380.89	\$4,380.89	
Cardiac Arrthymia & Conduction Disorders w/o CC 34 0.4945 \$2,410.27 Angina Pectoris 57 0.6312 \$3,404.53 Syncope & Collapse w CC 5 0.5216 \$2,542.36 Syncope & Collapse w CC 139 0.5159 \$2,542.36 Chest Pain 139 0.5159 \$2,542.36 Chrest Pain 4 1.0689 \$5,203.92 Other Circulatory System Diagnoses w CC 4 1.0689 \$5,203.92 Other Circulatory System Diagnoses w CC 15 3.3264 \$5,103.99 Other Circulatory System Diagnoses w CC 15 1.0689 \$5,203.93 Major Small & Large Bowel Procedures w CC 15 1.5654 \$7,629.99 Major Small & Large Bowel Procedures w CC 1 1.1267 \$6,144.35 Major Small & Large Bowel Procedures w CC 1 1.1267 \$5,648.83 Minor Small & Large Bowel Procedures w CC 1 1.1267 \$5,784.96 Ania & Stomal Procedures w CC 1 1.1385 \$6,767.76 Ania & Stomal Procedures w CC 2 4.2102 <td></td> <td>38</td> <td>0.8049</td> <td>\$3,923.20</td> <td>\$149,081.73</td> <td></td>		38	0.8049	\$3,923.20	\$149,081.73	
Syncope & Collapse w CC		34	0.4945	\$2,410.27	\$81,949.08	
Syncope & Collapse w CC Chest Pain Chest Papendectomy w Complicated Principal Diag w CC C		22	0.6312	\$3,076.56	\$175,364.12	
Syncope & Collapse w/o CC 5 0.5216 \$2.542.36 Chest Pain Chest Pain 139 0.5159 \$2,514.57 5 Chest Pain Chest Pain 4 1.0689 \$5,209.98 6 Other Circulatory System Diagnoses w/o CC 4 0.6204 \$5,103.37 5 Major Small & Large Bowel Procedures w CC 15 3.3264 \$16,213.37 5 Major Small & Large Bowel Procedures w CC 1 1.2654 \$7,629.99 \$1,204.623 Peritoneal Adhesiolysis w/o CC 2 1.2666 \$6,144.35 \$1,246.23 Minor Small & Large Bowel Procedures w CC 1 1.886 \$9,192.65 \$1,246.23 Minor Small & Large Bowel Procedures w CC 1 1.1267 \$5,486.83 \$100.61.7 Anal & Stomaeth, Esophageal & Duodenal Procedures Age > 17 w/o CC 2 4.2102 \$5,767.16 Anal & Stomael Procedures w/o CC 1 1.3865 \$5,767.16 Anal & Stomael Procedures w/o CC 2 4.002 \$5,767.16 Hemia Procedures Except Inguinal & Femoral Age > 17 w/o CC 1		10	0.7149	\$3,484.53	\$34,845.30	
Chest Pain (139) 0.5159 \$2,514.57 \$2,514.57 \$2,514.57 \$2,514.57 \$2,514.57 \$2,514.57 \$2,514.57 \$2,514.57 \$2,514.57 \$2,514.57 \$2,514.57 \$2,514.57 \$2,512.98 \$2,514.57 \$2,514.57 \$2,512.98 \$2,514.57 \$3,023.92 \$3,023.92 \$3,023.92 \$3,023.92 \$3,023.92 \$3,023.92 \$3,023.92 \$3,023.92 \$3,023.92 \$3,023.92 \$3,023.92 \$3,023.92 \$3,023.92 \$3,023.92 \$3,023.92 \$3,023.92 \$3,023.92 \$3,023.92 \$3,023.92 \$3,023.92 \$3,023.92 \$3,023.92 \$3,023.92 \$3,023.92 \$3,023.93 \$3,023.92 \$3,023.92 \$3,023.92 \$3,023.92 \$3,023.92 \$3,023.92 \$3,023.92 \$3,023.92 \$3,023.92 \$3,023.92 \$3,023.92 \$3,023.92 \$3,023.92 \$3,023.92 \$3,023.92 \$3,023.92 \$3,023.92 \$3,023.92 \$3,023.93 \$3,023.92 \$3,023.92 \$3,023.92 \$3,023.92 \$3,023.92 \$3,023.92 \$3,023.92 \$3,023.92 \$3,023.92 \$3,023.92 \$3,023.92 \$3,0	Syncope &	5	0.5216	\$2,542.36	\$12,711.78	
Other Circulatory System Diagnoses w CC 4 1.0689 \$5,209.98 Other Circulatory System Diagnoses w/o CC 4 0.6204 \$3,023.92 Other Circulatory System Diagnoses w/o CC 15 3.3264 \$1,029.99 Major Small & Large Bowel Procedures w CC 2 1.5654 \$17,629.99 Pertitoneal Adhesiolysis w CC 2 1.2666 \$6,144.35 Minor Small & Large Bowel Procedures w CC 1 1.186 \$9,192.65 Minor Small & Large Bowel Procedures w CC 1 1.1267 \$5,486.83 Minor Small & Large Bowel Procedures Age >17 w/o CC 2 4.2102 \$50,521.15 Stomach, Esophageal & Duodenal Procedures Age >17 w/o CC 1 1.1385 \$6,167.76 Anal & Stomal Procedures w CC 1 1.3885 \$6,167.76 Anal & Stomal Procedures Wo CC 2 4.107 \$5,384.96 Anal & Stomal Procedures W/o CC 1 1.3885 \$6,167.76 Hernia Procedures Except Inguinal & Femoral Age >17 w/o CC 24 0.6749 \$5,384.96 Hernia Procedures Except Inguinal & Femoral Hernia Procedures Age >17 0.6749	Chest Pain	139	0.5159	\$2,514.57	\$349,525.78	-
Other Circulatory System Diagnoses w/o CC 4 0.6204 \$3,023.92 Major Small & Large Bowel Procedures w CC 15 3.2564 \$16,213.37 \$1,0554 \$16,213.37 \$1,0554 \$16,213.37 \$1,0554 \$16,213.37 \$1,0554 \$16,213.37 \$1,0554 \$16,213.37 \$1,0554 \$10,259.99 \$1,0554 \$10,259.99 \$1,0554 \$10,259.99 \$10,0554 \$10,055.23 \$10,055.23 \$10,055.23 \$10,055.23 \$10,055.23 \$10,055.23 \$10,055.23 \$10,055.23 \$10,055.23 \$10,055.23 \$10,055.23 \$10,055.23 \$10,055.23 \$10,055.23 \$10,055.23 \$10,055.23 \$10,055.23 \$10,055.23 \$10,055.23 \$10,055.23 \$10,055.23 \$10,055.23 \$10,055.23 \$10,055.23 \$10,055.23 \$10,055.23 \$10,055.23 \$10,055.23 \$10,055.23 \$10,055.23 \$10,055.23 \$10,055.63 \$10,055.63 \$10,055.63 \$10,055.63 \$10,055.63 \$10,055.63 \$10,055.63 \$10,055.63 \$10,055.63 \$10,055.63 \$10,055.63 \$10,055.63 \$10,055.63 \$10,055.63 \$10,055.63 \$10,05	Other Circulatory System Diagnoses w	4	1.0689	\$5,209.98	\$20,839.92	
Major Small & Large Bowel Procedures w CC 15 3.264 \$16,213.37 Major Small & Large Bowel Procedures w CC 15 1.5654 \$7,629.99 Peritoneal Adhesiolysis w CC 2 1.2666 \$6,144.35 Peritoneal Adhesiolysis w CC 2 1.2666 \$6,144.35 Minor Small & Large Bowel Procedures w CC 1 1.886 \$9,192.65 Minor Small & Large Bowel Procedures w CC 2 4.2102 \$5,281.65 Minor Small & Large Bowel Procedures w CC 1 1.1267 \$5,057.15 Minor Small & Large Bowel Procedures w CC 2 4.2102 \$5,057.15 Minor Small & Large Bowel Procedures w CC 2 4.2102 \$5,057.15 Anal & Stomal Procedures w CC 1 1.3885 \$6,767.76 Anal & Stomal Procedures w CC 5 1.1048 \$5,384.96 Anal & Stomal Procedures Wo CC 6 1.777 \$5,706.17 Hernia Procedures Except Inguinal & Femoral Age >17 w/O CC 24 0.6746 \$3,288.10 Hernia Procedures Age ol-17 Appendectomy w Complicated Principal Diag w/O CC 4 1.2365		4	0.6204	\$3,023.92	\$12,095.69	
Major Small & Large Bowel Procedures w CC 15 1.5654 \$7,629.99 Peritoneal Adhesiolysis w CC 3 2.6561 \$12,946.23 Peritoneal Adhesiolysis w CC 2 1.2606 \$6,144.35 Minor Small & Large Bowel Procedures w CC 1 1.1857 \$5,486.83 Minor Small & Large Bowel Procedures w CC 2 4.2102 \$20,521.15 Stomach, Esophageal & Duodenal Procedures Age > 17 w/o CC 2 4.2102 \$20,521.15 Anal & Large Bowel Procedures Age > 17 w/o CC 5 1.1048 \$5,384.96 Anal & Stomal Procedures w CC 4 1.707 \$5,707.76 Anal & Stomal Procedures w/o CC 5 1.1048 \$5,384.96 Anal & Stomal Procedures w/o CC 6 1.1707 \$5,707.17 Hernia Procedures Except Inguinal & Femoral Age > 17 w/o CC 24 0.6746 \$5,706.17 Hernia Procedures Except Inguinal & Femoral Hernia Procedures Age > 17 w/o CC 76 0.6746 \$5,69.16.76 Hernia Procedures Age O-17 Appendectomy w/o Complicated Principal Diag w/o CC 4 1.2365 \$6,026.89 Appendectomy w/o Compl		15	3.3264	\$16,213.37	\$243,200.59	
Peritoneal Adhesiolysis w CC	Major Small & Large Bowel Procedures	15	1.5654	\$7,629.99	\$114,449.92	
Pertitoneal Adhesiolysis w/o CC		3	2.6561	\$12,946.23	\$38,838.69	
Minor Small & Large Bowel Procedures w CC 1 1.886 \$9,192.65 Minor Small & Large Bowel Procedures w CC 1 1.1257 \$5,486.83 Stomach, Esophageal & Duodenal Procedures Age > 17 w CC 2 4.2102 \$5,281.15 Stomach, Esophageal & Duodenal Procedures Age > 17 w CC 1 1.048 \$5,787.76 Anal & Stomal Procedures w CC 1 1.048 \$5,384.96 Anal & Stomal Procedures w/o CC 39 0.5789 \$2,821.65 Hernia Procedures Except Inguinal & Femoral Age > 17 w/o CC 6 1.1707 \$5,706.17 Hernia Procedures Except Inguinal & Femoral Age > 17 w/o CC 24 0.6746 \$3,288.10 Inguinal & Femoral Hernia Procedures Age > 17 w/o CC 17 0.9554 \$4,656.76 Inguinal & Femoral Hernia Procedures Age > 17 w/o CC 76 0.5365 \$5,614.98 Appendectomy w Complicated Principal Diag w/o CC 6 2.2374 \$10,905.42 Appendectomy w/o Complicated Principal Diag w/o CC 6 2.2374 \$10,905.89 Mouth Procedures w CC 7 1.1761 \$5,732.49 Mouth Procedures w/o CC 7 1.11628 \$5,605.66	4	2	1.2606	\$6,144.35	\$12,288.71	
Minor Small & Large Bowel Procedures w CC 1 1.1257 \$5,486.83 Stomach, Esophageal & Duodenal Procedures Age > 17 w CC 2 4.2102 \$20,521.15 Stomach, Esophageal & Duodenal Procedures Age > 17 w/o CC 1 1.3885 \$6,767.76 Anal & Stomal Procedures w CC 5 1.1048 \$5,384.96 Anal & Stomal Procedures w CC 6 1.1707 \$5,7821.65 Hernia Procedures Except Inguinal & Femoral Age > 17 w/o CC 6 1.1707 \$5,706.17 Hernia Procedures Except Inguinal & Femoral Age > 17 w/o CC 17 0.9554 \$4,656.76 Inguinal & Femoral Hernia Procedures Age > 17 w/o CC 76 0.5365 \$2,614.98 Inguinal & Femoral Hernia Procedures Age > 17 w/o CC 76 0.5365 \$2,614.98 Hernia Procedures Age 0-17 Appendectomy w Complicated Principal Diag w CC 6 2.2374 \$10,305.42 Appendectomy w Complicated Principal Diag w CC 5 1.3695 \$6,675.15 Appendectomy w/o Complicated Principal Diag w/o CC 44 0.7892 \$3,846.68 Mouth Procedures w/o CC 4 0.6434 \$3,136.03		-	1.886	\$9,192.65	\$9,192.65	
Stomach, Esophageal & Duodenal Procedures Age > 17 w CC 2 4.2102 \$20,521.15 Stomach, Esophageal & Duodenal Procedures Age > 17 w/o CC 1 1.3885 \$6,767.76 Anal & Stomal Procedures w CC 5 1.1048 \$5,384.96 Anal & Stomal Procedures w/o CC 6 1.1707 \$5,7821.65 Hernia Procedures Except Inguinal & Femoral Age > 17 w/o CC 6 1.1707 \$5,706.17 Hernia Procedures Except Inguinal & Femoral Age > 17 w/o CC 17 0.9554 \$4,656.76 Inguinal & Femoral Hernia Procedures Age > 17 w/o CC 76 0.5365 \$2,614.98 Inguinal & Femoral Hernia Procedures Age > 17 w/o CC 76 0.5365 \$2,614.98 Hernia Procedures Age 0.17 15 0.778 \$3,693.63 Hernia Procedures Age 0.17 4 1.2365 \$6,026.89 Appendectomy w Complicated Principal Diag w/o CC 6 2.2374 \$10,905.42 Appendectomy w/o Complicated Principal Diag w/o CC 5 1.3695 \$6,026.89 Mouth Procedures w/o CC 4 0.6434 \$3,136.03 Mouth Procedures w/o CC 1 <td< td=""><td></td><td>1</td><td>1.1257</td><td>\$5,486.83</td><td>\$5,486.83</td><td></td></td<>		1	1.1257	\$5,486.83	\$5,486.83	
Stomach, Esophageal & Duodenal Procedures Age > 17 w/o CC 1.3885 \$6,767.76 Anal & Stomal Procedures w CC 5 1.1048 \$5,384.96 Anal & Stomal Procedures w CC 39 0.5789 \$2,821.65 Hernia Procedures Except Inguinal & Femoral Age > 17 w CC 6 1.1707 \$5,706.17 Hernia Procedures Except Inguinal & Femoral Age > 17 w CC 17 0.9554 \$4,656.76 Inguinal & Femoral Hernia Procedures Age > 17 w CC 17 0.9554 \$4,656.76 Inguinal & Femoral Hernia Procedures Age > 17 w/o CC 15 0.5365 \$2,614.98 Hernia Procedures Age 0-17 Appendectomy w Complicated Principal Diag w/o CC 4 1.2365 \$6,026.89 Appendectomy w Complicated Principal Diag w/o CC 4 1.3695 \$6,675.15 Appendectomy w/o Complicated Principal Diag w/o CC 5 1.3695 \$6,675.15 Mouth Procedures w CC 7 4 0.7892 \$3,846.68 Mouth Procedures w/o CC 7 1 1.1761 \$5,732.49 Mouth Procedures w/o CC 1 1 1.1628 \$5,667.66		2	4.2102	\$20,521.15	\$41,042.29	
Anal & Stomal Procedures w CC 5 1.1048 \$5,384.96 Anal & Stomal Procedures w/o CC 39 0.5789 \$2,821.65 Hernia Procedures Except Inguinal & Femoral Age > 17 w/O CC 6 1.1707 \$5,706.17 Hernia Procedures Except Inguinal & Femoral Age > 17 w/O CC 24 0.6746 \$3,288.10 Inguinal & Femoral Hernia Procedures Age > 17 w/O CC 76 0.5365 \$2,614.98 Inguinal & Femoral Hernia Procedures Age > 17 w/O CC 76 0.5365 \$2,614.98 Hernia Procedures Age O-17 Appendectomy w Complicated Principal Diag w/O CC 4 1.2365 \$6,026.89 Appendectomy w/O Complicated Principal Diag w/O CC 4 1.2365 \$6,026.89 Appendectomy w/O Complicated Principal Diag w/O CC 5 1.3695 \$6,7515 Mouth Procedures w/O C 4 0.6434 \$3,136.03 Mouth Procedures w/O CC 4 0.6434 \$5,732.49 Mouth Procedures w/O CC 4 0.6434 \$5,667.66 Appendectoms w/O CC 4 0.6434 \$5,667.66		1	1.3885	\$6,767.76	\$6,767.76	
Anal & Stomal Procedures w/o CC 39 0.5789 \$2,821.65 Hernia Procedures Except Inguinal & Femoral Age >17 w/o CC 24 0.6746 \$3,288.10 Hernia Procedures Except Inguinal & Femoral Age >17 w/o CC 24 0.6746 \$3,288.10 Inguinal & Femoral Hernia Procedures Age >17 w/o CC 17 0.9554 \$4,656.76 Inguinal & Femoral Hernia Procedures Age >17 w/o CC 76 0.5365 \$2,614.98 Hernia Procedures Age 0-17 15 0.7578 \$3,693.63 Hernia Procedures Age 0-17 Appendectomy w Complicated Principal Diag w/o CC 4 1.2365 \$6,026.89 Appendectomy w/o Complicated Principal Diag w/o CC 5 1.3695 \$6,675.15 Appendectomy w/o Complicated Principal Diag w/o CC 5 1.3695 \$5,732.49 Mouth Procedures w CC 4 0.6434 \$3,136.03 Mouth Procedures w/o CC 1 1.1628 \$5,607.66 Other Digestive System OR Procedures w CC 1 1.1628 \$5,607.66		5	1.1048	\$5,384.96	\$26,924.80	
Hernia Procedures Except Inguinal & Femoral Age >17 w CC 6 1.1707 \$5,706.17 Hernia Procedures Except Inguinal & Femoral Age >17 w/o CC 24 0.6746 \$3,288.10 Inguinal & Femoral Hernia Procedures Age >17 w/o CC 17 0.9554 \$4,656.76 Inguinal & Femoral Hernia Procedures Age >17 w/o CC 76 0.5365 \$2,614.98 Hernia Procedures Age >-17 15 0.7578 \$3,693.63 Appendectomy w Complicated Principal Diag w CC 6 2.2374 \$10,905.42 Appendectomy w/o Complicated Principal Diag w/o CC 4 1.2365 \$6,026.89 Appendectomy w/o Complicated Principal Diag w/o CC 44 0.7892 \$3,846.68 Mouth Procedures w/o C 4 0.7892 \$5,732.49 Mouth Procedures w/o CC 4 0.6434 \$3,136.03 Other Digestive System OR Procedures w CC 1 1.1628 \$5,667.66		39	0.5789	\$2,821.65	\$110,044.17	
Hernia Procedures Except Inguinal & Femoral Age > 17 w/o CC 24 0.6746 \$3,288.10 Inguinal & Femoral Hernia Procedures Age > 17 w CC 17 0.9554 \$4,656.76 Inguinal & Femoral Hernia Procedures Age > 17 w CC 76 0.5365 \$2,614.98 Hernia Procedures Age 0-17 15 0.7578 \$3,693.63 Appendectomy w Complicated Principal Diag w/o CC 6 2.2374 \$10,905.42 Appendectomy w Complicated Principal Diag w/o CC 4 1.2365 \$6,026.89 Appendectomy w/o Complicated Principal Diag w/o CC 5 1.3695 \$5,732.49 Appendectomy w/o Complicated Principal Diag w/o CC 44 0.7892 \$3,846.68 Mouth Procedures w CC 1 1.1761 \$5,732.49 Mouth Procedures w/o CC 4 0.6434 \$3,136.03 Mouth Procedures w/o CC 1 1.1628 \$5,667.66		9	1.1707	\$5,706.17	\$34,237.00	
Inguinal & Femoral Hernia Procedures Age >17 w CC 17 0.9554 \$4,656.76 Inguinal & Femoral Hernia Procedures Age >17 w/o CC 76 0.5365 \$2,614.98 Hernia Procedures Age 0-17 15 0.7578 \$3,693.63 Hernia Procedures Age 0-17 6 2.2374 \$10,905.42 Appendectomy w Complicated Principal Diag w/o CC 4 1.2365 \$6,026.89 Appendectomy w/o Complicated Principal Diag w/o CC 5 1.3695 \$6,675.15 Appendectomy w/o Complicated Principal Diag w/o CC 44 0.7892 \$3,846.68 Mouth Procedures w CC 1 1.1761 \$5,732.49 Mouth Procedures w/o CC 4 0.6434 \$3,136.03 Other Digestive System OR Procedures w CC 1 1.1628 \$5,667.66	160 Hernia Procedures Except Inguinal & Femoral Age >17 w/o CC	24	0.6746	\$3,288.10	\$78,914.44	
Inguinal & Femoral Hernia Procedures Age >17 w/o CC 76 0.5365 \$2,614.98 Hernia Procedures Age 0-17 15 0.7578 \$3,693.63 Hernia Procedures Age 0-17 6 2.2374 \$10,905.42 Appendectomy w Complicated Principal Diag w/o CC 4 1.2365 \$6,026.89 Appendectomy w/o Complicated Principal Diag w/o CC 44 0.7892 \$3,846.68 Appendectomy w/o Complicated Principal Diag w/o CC 44 0.7892 \$3,846.68 Mouth Procedures w CC 1 1.1761 \$5,732.49 Mouth Procedures w/o CC 4 0.6434 \$3,136.03 Other Digestive System OR Procedures w CC 1 1.1628 \$5,667.66	161 Inquinal & Femoral Hernia Procedures Age >17 w CC	11	0.9554	\$4,656.76	\$79,164.97	
Hernia Procedures Age 0-17 43,693.63 Appendectomy w Complicated Principal Diag w CC 6 2.2374 \$10,905.42 Appendectomy w Complicated Principal Diag w CC 4 1.2365 \$6,026.89 Appendectomy w/o Complicated Principal Diag w CC 5 1.3695 \$6,675.15 Appendectomy w/o Complicated Principal Diag w/o CC 44 0.7892 \$3,846.68 Mouth Procedures w CC 1 1.1761 \$5,732.49 Mouth Procedures w/o CC 4 0.6434 \$3,136.03 Other Digestive System OR Procedures w CC 1 1.1628 \$5,667.66	Inguinal & Femoral Hernia Procedures	9/	0.5365	\$2,614.98	\$198,738.59	
Appendectomy w Complicated Principal Diag w CC 6 2.2374 \$10,905.42 Appendectomy w Complicated Principal Diag w/o CC 4 1.2365 \$6,026.89 Appendectomy w/o Complicated Principal Diag w/o CC 5 1.3695 \$6,675.15 Appendectomy w/o Complicated Principal Diag w/o CC 44 0.7892 \$3,846.68 Mouth Procedures w CC 1 1.1761 \$5,732.49 Mouth Procedures w/o CC 4 0.6434 \$3,136.03 Other Digestive System OR Procedures w CC 1 1.1628 \$5,667.66		15	0.7578	\$3,693.63	\$55,404.46	
Appendectomy w Complicated Principal Diag w/o CC 4 1.2365 \$6,026.89 Appendectomy w/o Complicated Principal Diag w/o CC 5 1.3695 \$6,675.15 Appendectomy w/o Complicated Principal Diag w/o CC 44 0.7892 \$3,846.68 Mouth Procedures w CC 1 1.1761 \$5,732.49 Mouth Procedures w/o CC 4 0.6434 \$3,136.03 Other Digestive System OR Procedures w CC 1 1.1628 \$5,667.66		စ	2.2374	\$10,905.42	\$65,432.54	
Appendectomy w/o Complicated Principal Diag w CC 5 1.3695 \$6,675.15 Appendectomy w/o Complicated Principal Diag w/o CC 44 0.7892 \$3,846.68 Mouth Procedures w CC 1 1.1761 \$5,732.49 Mouth Procedures w/o CC 4 0.6434 \$3,136.03 Other Digestive System OR Procedures w CC 1 1.1628 \$5,667.66		4	1.2365	\$6,026.89	\$24,107.55	
Appendectomy w/o Complicated Principal Diag w/o CC 44 0.7892 \$3,846.68 Mouth Procedures w CC 1 1.1761 \$5,732.49 Mouth Procedures w/o CC 4 0.6434 \$3,136.03 Other Digestive System OR Procedures w CC 1 1.1628 \$5,667.66	Appendectomy w/o Complicated Princi	2	1.3695	\$6,675.15	\$33,375.74	
Mouth Procedures w CC 4 1.1761 \$5,732.49 Mouth Procedures w/o CC 4 0.6434 \$3,136.03 Other Digestive System OR Procedures w CC 1 1.1628 \$5,667.66	Appendectomy w/o Complicated Princi	44	0.7892	\$3,846.68	\$169,253.88	
Mouth Procedures w/o CC 4 0.6434 \$3,136.03 Other Digestive System OR Procedures w CC 1 1.1628 \$5,667.66	Mouth Procedures w CC	-	1.1761	\$5,732.49	\$5,732.49	
Other Digestive System OR Procedures w CC	169 Mouth Procedures w/o CC	4	0.6434	\$3,136.03	\$12,544.11	
00 00 0 0000 7	171 Other Digestive System OR Procedures w CC	1	1.1628	\$5,667.66	\$5,667.66	
Digestive Malignancy w CC	172 Digestive Malignancy w CC	2	1.2898	\$6,286.68	\$12,573.36	
Digestive Malignancy w/o CC	173 Digestive Malignancy w/o CC	6	0.6569	\$3,201.83	\$28,816.46	

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174 GI Hemorrhage w CC	45	0.988	\$4,813.00	\$202,207.00	
175 GI Hemorrhade w/o CC	15	0.5457	\$2,659.82	\$39,887.33	
178 Complicated Dentic Iller	2	1.0563	\$5,148.56	\$10,297.13	
477 Hacamalicated Dentic High W CC	2	0.827	\$4,030.92	\$8,061.84	
177 Olicomplicated Peptic Flor W/O CC	18	0.599	\$2,919.62	\$52,553.09	
470 Inflormation Rowel Disease	15	1.0993	\$5,358.15	\$80,372.30	
189 Ol Obstruction w CC	11	0.924	\$4,503.71	\$49,540.86	
180 Gl Obstruction w/o CC	14	0.5231	\$2,549.67	\$35,695.35	
	09	0.7794	\$3,798.91	\$227,934.75	
Esophagitis, Castroent & Misc Didest Di	206	0.548	\$2,671.03	\$550,233.05	
Esophagitis, Gastroent & Misc Didest D	51	0.391	\$1,905.79	\$97,195.43	
Dental & Oral Dis Except Extractions &	2	0.8892	\$4,334.09	\$8,668.19	
Dontal Extractions & Restorations	33	0.6473	\$3,155.04	\$104,116.23	
_	11	1.0458	\$5,097.39	\$56,071.25	
Other Digestive System Diagnoses Age	117	0.5438	\$2,650.56	\$310,115.84	
Other Digestive System Diagnoses Age	က	1.2379	\$6,033.71	\$18,101.13	-
	-	4.4495	\$21,687.53	\$21,687.53	
Obstantiation w CDE w CC	-	2.6147	\$12,744.44	\$12,744.44	
195 Citoledystectonity w CDF w/o CC	-	1.5695	\$7,649.98	\$7,649.98	
	3	2.2034	\$10,739.70	\$32,219.11	
	3	1.1355	\$5,534.60	\$16,603.79	
_	2	1.3177	\$6,422.67	\$12,845.33	
	2	1.2187	\$5,940.13	\$11,880.25	
Disorders of Pancreas Except Malignan	24	1.202	\$5,858.73	\$140,609.48	
	2	1.2276	\$5,983.51	\$11,967.01	
Disorders of I iver Except Malia, Cirr. A	က	0.6801	\$3,314.91	\$9,944.73	
Disorders of the Biliary Tract w CC	6	1.0287	\$5,014.04	\$45,126.34	
208 Disorders of the Billiary Tract w/o CC	13	0.5943	\$2,896.71	\$37,657.20	
210 Hin & Femur Procedures Except Major Joint Age >17 w CC	2	1.8616	\$9,073.72	\$18,147.44	
	7	1.2893	\$6,284.24	\$12,568.48	
	τ-	1.1296	\$5,505.84	\$5,505.84	
217 WND Debrid & SKN GRFT Except Hand, For Muscskelet & Conn Tiss Di	9	2.8975	\$14,122.85	\$84,737.10	
218 I ower Extrem & Humer Proc Except Hip, Foot, Femur Age >17 w CC	3	1.4231	\$6,936.40	\$20,809.21	
210 Lower Extrem & Humer Proc Except Hip, Foot, Femur Age >17 W/o CC	23	0.9179	\$4,473.98	\$237,121.06	
220 Lower Extrem & Humer Proc Except Hip, Foot, Femur Age 0-17	18	0.5611	\$2,734.89	\$49,227.94	
Knee Procedures w CC	9	1.8463	\$8,999.14	\$53,994.86	
222 Knee Procedures W/o CC	180	0.9747	\$4,750.83	\$855,150.12	
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223	223 Major Shoulder/Elbow Proc. or Other Upper Extremity Proc w CC	33	0.8364	\$4,076.74	\$134,532.39	
224	Shoulder, Elbow or Forearm Proc, EXC	31	0.6983	\$3,403.62	\$105,512.19	
	Foot Procedures	77	0.9504	\$4,632.39	\$356,694.20	
226		4	1.3656	\$6,656.14	\$26,624.56	
227		33	0.7273	\$3,544.97	\$116,983.99	
228		မ	0.9315	\$4,540.27	\$27,241.62	
229		46	0.5965	\$2,907.43	\$133,741.80	
230		က	1.0399	\$5,068.63	\$15,205.89	
231	231 Local Excision & Removal of Int Fix Devices Except Hip & Femur	124	1.2131	\$5,912.83	\$733,191.09	
232	Arthroscopy	20	1.0578	\$5,155.88	\$103,117.52	
233	233 Other Musculoskelet Sys & Conn Tiss OR Proc w CC	7	1.9275	\$9,394.92	\$18,789.85	
234	234 Other Musculoskelet Sys & Conn Tiss OR Proc w/o CC	7	1.0039	\$4,893.16	\$34,252.11	
235	Fractures of Femur	3	0.8501	\$4,143.51	\$12,430.54	
236	Fractures of Hip & Pelvis	5	0.7818	\$3,810.61	\$19,053.05	
238	Osteomyelitis	1	1.4356	\$6,997.33	\$6,997.33	
240		2	1.19	\$5,800.24	\$11,600.48	
241	Connective tissue Disorders w/o CC	2	0.5986	\$2,917.67	\$5,835.33	
242	Septic Arthritis	-	1.1295	\$5,505.35	\$5,505.35	
243	Medical Back Problems	9	0.7248	\$3,532.78	\$35,327.84	
244	Bone Diseases & Specific Arthropathies w CC	3	0.7446	\$3,629.29	\$10,887.88	
247	Signs & Symptoms of Musculoskeletal System & Conn Tiss	. 9	0.5534	\$2,697.35	\$16,184.13	
248	Tendonitis, Myositis & Bursitis	2	0.7275	\$3,545.94	\$17,729.72	
249	Aftercare, Musculoskeletal System & Connective Tissue	9	0.6558	\$3,196.47	\$15,982.34	
250	FX. SPRN. STRN & DISL of Forearm, Hand, Foot Age >17 w CC	1	0.7193	\$3,505.98	\$3,505.98	
251	251 FX, SPRN, STRN & DISL of Forearm, Hand, Foot Age >17 w/o CC	4	0.4423	\$2,155.84	\$8,623.35	
252	FX. SPRN, STRN & DISL of Forearm, Hand, Foot Age 0-17	9	0.2438	\$1,188.32	\$7,129.91	
253	FX, SPRN, STRN & DISL of Uparm, Lowleg Ex Foot Age >17 w CC	3	0.7627	\$3,717.51	\$11,152.54	
254	FX, SPRN, STRN & DISL of Uparm, Lowleg Ex Foot Age >17 w/o CC	5	0.4365	\$2,127.57	\$10,637.83	
255		~	0.2838	\$1,383.28	\$1,383.28	
256		9	0.6419	\$3,128.72	\$18,772.30	
257		ဆ	0.8997	\$4,385.27	\$35,082.18	
258		3	0.6965	\$3,394.85	\$10,184.54	
259	Subtotal Mastectomy for Malignancy w CC	4	0.8765	\$4,272.19	\$17,088.77	
260	Subtotal Mastectomy for Malignancy w CC	37	0.5749	\$2,802.15	\$103,679.51	
261	261 Breast Proc for Non-malignancy Except Biopsy & Local Excision	28	0.808	\$3,938.31	\$110,272.77	
262	Breast Biopsy & Local Excision for Non-malignancy	128	0.7115	\$3,467.96	\$443,898.59	
263	263 Skin Graft &/or Debrid for SKN Ulcer or Cellulitis w CC	-	2.2344	\$10,890.80	\$10,890.80	

284 Skin Graff & Ar Debrid for SKN Ulcer or Cellulitis w/o CC	3	1.1633	\$5,670.10	\$17,010.30	
	2	1.4131	\$6,887.66	\$13,775.32	
Skin Graft & Or Debrid Except for SKN	က	0.7451	\$3,631.73	\$10,895.19	
Perianal & Pilondial Procedures	6	0.8022	\$3,910.04	\$35,190.39	
	_	1.6495	\$8,039.91	\$8,039.91	
270 Other Skin, Subcut Tiss & Breast Proc w/o CC	45	0.6796	\$3,312.47	\$149,061.26	
271 Skin Ucers	-	1.1157	\$5,438.09	\$5,438.09	
	5	0.6418	\$3,128.23	\$15,641.15	
277 Cellulitis Age >17 w CC	27	0.8703	\$4,241.97	\$114,533.26	
278 Cellulitis Age >17 w/o CC	23	0.5822	\$2,837.73	\$65,267.79	
	9	0.707	\$3,446.02	\$20,676.14	
	4	0.4523	\$2,204.58	\$8,818.31	•
	4	0.7171	\$3,495.25	\$13,981.01	
	6	0.4307	\$2,099.30	\$18,893.67	
204 Misheles Ane >35	22	0.7579	\$3,694.12	\$81,270.60	
	10	0.7634	\$3,720.93	\$37,209.26	
295 Diabetic Age of Society Age > 17 w CC		0.9166	\$4,467.65	\$31,273.52	
	6	0.5353	\$2,609.13	\$23,482.19	
Nutritional & Misc Metabolic Disorders	4	0.4756	\$2,318.15	\$9,272.58	
Inhorn errors of Metabolism	2	0.979	\$4,771.79	\$9,543.59	
300 Endocrine Disorders w CC	1	1.0919	\$5,322.08	\$5,322.08	
301 Endocrine Disorders w/o CC	2	0.6181	\$3,012.71	\$6,025.42	
	5	1.4848	\$7,237.14	\$36,185.69	
309 Minor Bladder Procedures w/o CC	1	0.8061	\$3,929.05	\$3,929.05	
	7	0.9694	\$4,725.00	\$33,075.01	
	3	0.5486	\$2,673.96	\$8,021.88	
_	2	0.8891	\$4,333.61	\$8,667.21	
313 Urethral Procedures, Age >17 w/o CC	5	0.5008	\$2,440.97	\$12,204.87	
315 Other Kidney & Urinary Tract OR Procedures		2.0612	\$10,046.60	\$10,046.60	
316 Renal Failure	2	1.2996	\$6,334.45	\$31,672.23	
319 Kidney & Urinary Tract Neoplasms w/o CC		0.5432	\$2,647.64	\$2,647.64	
320 Kidney & Urinary Tract Infections Age > 17 w CC	31	0.932	\$4,542.71	\$140,823.94	
	8	0.6104	\$2,975.18	\$23,801.45	
322 Kidney & Urinary Tract Infections Age 0-17	15	0.6651	\$3,241.80	\$48,626.96	
323 Urinary Stones w CC. &/or ESW Lithrotripsy	10	0.7281	\$3,548.87	\$35,488.69	
324 Urinary Stones w/o CC	20	0.3992	\$1,945.76	\$38,915.21	
325 Kidney & Urinary Tract Signs & Symptoms Age >17 w CC	3	0.6436	\$3,137.00	\$9,411.01	
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	-	0.4233	\$2 063 23	.\$2 063.23	
324 Other Kidney & Ulinary Tract Diagnoses Age >17 w CC	-	1.0122	\$4,933.61	\$4,933.61	
Other Kidney & Urinary Tract Diagnoses	2	0.6176	\$3,010.28	\$6,020.55	
Other Kidney & Urinary Tract Diagnoses	2	0.8701	\$4,241.00	\$8,482.00	
Major Male Pelvic Procedures w CC	3	1.6948	\$8,260.71	\$24,782.13	
	-	1.3044	\$6,357.84	\$6,357.84	
	3	0.8802	\$4,290.23	\$12,870.68	
_	-	0.6128	\$2,986.88	\$2,986.88	
_	1	1.026	\$5,000.88	\$5,000.88	
$\overline{}$	14	0.933	\$4,547.58	\$63,666.15	
	15	0.2723	\$1,327.23	\$19,908.47	
_	3	1.0699	\$5,214.85	\$15,644.56	
	5	0.736	\$3,587.37	\$17,936.87	
	11	0.1479	\$720.89	\$7,929.75	
346 Malionancy, Male Reproductive System, w CC	-	0.9626	\$4,691.86	\$4,691.86	
Malionancy, Male Reproductive System	-	0.4853	\$2,365.42	\$2,365.42	
Benian Prostatic Hypertrophy w CC	-	0.7106	\$3,463.57	\$3,463.57	
_	11	0.681	\$3,319.30	\$36,512.26	
	2	0.2271	\$1,106.92	\$2,213.84	
	က	0.5932	\$2,891.35	\$8,674.04	
_	2	0.8881	\$4,328.73	\$8,657.47	
_	13	0.7323	\$3,569.34	\$46,401.42	
	52	1.1458	\$5,584.80	\$290,409.66	
	85	0.8072	\$3,934.41	\$334,425.18	
_	27	0.8739	\$4,259.52	\$115,007.03	
	28	1.1984	\$5,841.18	\$163,553.08	
	29	0.2902	\$1,414.48	\$83,454.22	
	9	0.6881	\$3,353.90	\$20,123.42	
364 D&C, Conization Except for Malignancy	37	0.6667	\$3,249.60	\$120,235.04	
368 Infections, Female Reproductive System	7	0.9841	\$4,796.65	\$33,576.56	
369 Menstrual & Other Female Reproductive System Disorders	10	0.513	\$2,500.44	\$25,004.39	
370 Cesarean Section w CC	111	0.9573	\$4,666.02	\$517,928.64	
371 Cesarean Section w/o CC	68	0.6531	\$3,183.31	\$283,314.36	
372 Vacinal Delivery w Complicating Diagnoses	142	0.5558	\$2,709.05	\$384,685.46	
373 Vaginal Delivery w/o Complicating Diagnoses	629	0.3446	\$1,679.63	\$1,106,877.55	
374 Vaginal Delivery w Sterilization & or D&C	23	0.6721	\$3,275.92	\$75,346.07	
376 Postpartum & Post Abortion Diagnoses w/o OR Procedure	8	0.4418	\$2,153.40	\$17,227.20	

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	000	0.07	e2 644 28	\$404 445 22	
	07	0.7409	93,011.20	#101,113.22	
379 Threatened Abortion	56	0.3962	\$1,931.14	\$108,143.74	
	9	0.3742	\$1,823.91	\$10,943.44	
	82	0.4673	\$2,277.69	\$186,770.60	
	8	0.1922	\$936.81	\$7,494.49	
Other Antepartum Diagnoses w Medica	141	0.4587	\$2,235.77	\$315,243.94	
	28	0.2818	\$1,373.54	\$79,665.06	
Normal Newborn	730	0.1465	\$714.06	\$521,265.97	
	10	1.6252	\$7,921.47	\$79,214.69	
Red Blood Cell Disorders Age >17	24	0.8359	\$4,074.30	\$97,783.25	
_	3	0.598	\$2,914.74	\$8,744.23	
_	-	1.2825	\$6,251.10	\$6,251.10	
	7	1.236	\$6,024.45	\$42,171.15	
I vmphoma & Non-acute Leukemia w Ot	-	2.4533	\$11,957.75	\$11,957.75	
Lymphoma & Non-acute Leukemia w O	-	0.9428	\$4,595.35	\$4,595.35	
	7	1.684	\$8,208.07	\$16,416.14	
412 History of Malignancy w Endoscopy	35	0.453	\$2,207.99	\$77,279.65	
	-	1.3422	\$6,542.08	\$6,542.08	
_	1	0.7285	\$3,550.82	\$3,550.82	
_	4	3.4769	\$16,946.93	\$67,787.73	
	7	1.477	\$7,199.12	\$50,393.84	
_	2	0.9777	\$4,765.46	\$23,827.28	
	7	0.9223	\$4,495.43	\$31,468.00	
	-	0.6258	\$3,050.24	\$3,050.24	
	6	0.6982	\$3,403.13	\$30,628.18	
	18	0.5446	\$2,654.46	\$47,780.32	
	-	1.5828	\$7,714.80	\$7,714.80	
	-	0.7129	\$3,474.78	\$3,474.78	
	က	0.5949	\$2,899.63	\$8,698.90	-
	3	0.9537	\$4,648.48	\$13,945.43	
	မ	0.867	\$4,225.89	\$25,355.33	
	4	0.308	\$1,501.24	\$6,004.95	
ALC/Drug Abuse or Defend, Detox or C	14	0.7373	\$3,593.71	\$50,311.95	
440 Wound Debridements for Injuries	3	1.7792	\$8,672.09	\$26,016.26	
441 Hand Procedures for Injuries	1	0.8785	\$4,281.94	\$4,281.94	
442 Other OR Procedures for Injuries w CC	2	2.0836	\$10,155.78	\$20,311.56	

	0	0.813	\$3 9A2 A8	\$35 664 16	
Other OR Procedures for Injuries w/o C	0 7	7007	¢2,50£00	\$0.003.24	
445 Traumatic Injury Age >17 w/o CC	4	0.4004	\$2,273.30	49,093.21	
446 Traumatic Injury Age 0-17	3	0.2846	\$1,387.18	\$4,161.55	
₽	က	0.4976	\$2,425.38	\$7,276.13	
_	1	0.0896	\$436.72	\$436.72	
_	6	0.7886	\$3,843.75	\$34,593.79	
_	6	0.4329	\$2,110.02	\$18,990.18	
Poisoning & Toxic Effects of Drugs Age	15	0.2527	\$1,231.70	- \$18,475.47	
_	5	0.9127	\$4,448.64	\$22,243.18	
	4	0.4752	\$2,316.20	\$9,264.78	
	5	0.8906	\$4,340.92	\$21,704.59	
	80	0.4689	\$2,285.49	\$18,283.91	
	7	1.0104	\$4,924.84	\$34,473.89	
Signs & Symptoms w CC	+	0.7416	\$3,614.67	\$39,761.37	
	2	0.4972	\$2,423.43	\$4,846.85	
	15	0.4362	\$2,126.10	\$31,891.56	
	22	0.5601	\$2,730.01	\$60,060.25	
Other Factors Influencing Health Status	40	0.4291	\$2,091.50	\$83,659.91	
	2	3.5391	\$17,250.10	\$34,500.21	
	1	3.4797	\$16,960.58	\$16,960.58	
	4	3.7015	\$18,041.67	\$72,166.66	
	9	1.5682	\$7,643.64	\$45,861.85	
487 Other Multiple Significant Trauma	1	1.9932	\$9,715.16	\$9,715.16	
493 Laparoscopic Cholecystectomy w/o CDE w CC	8	1.6501	\$8,042.83	\$64,342.68	
	38	0.8769	\$4,274.14	\$162,417.40	
-	2	0.6596	\$3,214.99	\$16,074.95	
601 Neonate, Transferred <5 Days Old	19	0.4898	\$2,387.36	\$45,359.81	
7	-	1.4794	\$7,210.82	\$7,210.82	
	1	1.9716	\$9,609.87	\$9,609.87	
	12	0.4636	\$2,259.66	\$27,115.87	
626 Neonate, Birthwt > 2499G, w/o Signif OR Proc, w Mult Major Prob	2	2.4222	\$11,806.17	\$23,612.33	
	12	1.0876	\$5,301.13	\$63,613.51	
	15	0.6469	\$3,153.09	\$47,296.31	
	244	0.2015	\$982.14	\$239,642.46	
	2	0.9865	\$4,808.35	\$9,616.70	
	11	0.6063	\$2,955.20	\$32,507.17	AVG/Case
11	6746			\$20,348,944.56	\$3,016.45

APPENDIX D

MEDCOM Manpower Assessment Survey Results

	MAN	POWER SURVEY RES	ULTS			
PARA	LINE	POSITION	GRADE	CODE	.CIV PAY	MIL PAY
881N	9	SECY	GS-7	318	\$28,404	
883N	2	TNG CMS SP	E-4	91D	\$30,349	
883N	3	CBT CMS SP	E-4	91D	\$30,349	
883N	4	CBT CMS SP	E-4	91D	\$30,349	
883N	5	MED SUP TEC	GS-4	622	\$20,449	
883S	3	CBT OR NUR	0-2	66E		\$55,860
883S	8	TNG OR SP	E-4	91D		\$30,349
883S	8	TNG OR SP	E-4	91D		\$30,349
883S	9	CBT OR SP	E-3	91D		\$25,177
883S	9	CBT OR SP	E-3	91D		\$25,177
883T	2	CMF OBGYN	0-4	60J		\$88,229
883T	4	CMF OBGYN	0-4	60J		\$88,229
883T	7	CMF OBGYN NUR	0-4	66H		\$88,229
883T	7	CMF OBGYN NUR	0-4	66H		\$88,229
883T	11	MED OFF OBGYN	GS-14	602	\$74,627	7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7
883T	16	NUR ASST	GS-4	621	\$20,499	
885A	1	CMF DEP CDR NSG	0-6	66N	,	\$126,832
885A	6	EXP C WDMSTR	E-8	91C		\$58,099
885G	1	CLIN HD NUR	O-3	66H		\$74,862
885G	2	MED SURG NUR	O-3	66H		\$74,862
885G	3	MED SURG NUR	0-2	66H	·	\$55,860
885G	4	EXP WDMSTR	E-7	91C		\$50,086
885G	5	CBT PRAC NUR	E-6	91C		\$42,735
885G	6	CBT PRAC NUR	E-5	91C		\$36,421
885G	6	CBT PRAC NUR	E-5	91C		\$36,421
885G	7	TNG MED SP	E-4	91C		\$30,349
885G	8	SUPV NUR SP	GS-12	610	\$53,110	Ψου,ο το
885G	9	NUR SPEC	GS-11	610	\$46,641	
885G	9	NUR SPEC	GS-11	610	\$46,641	
885G	9	NUR SPEC	GS-11	610	\$46,641	
885G	9	NUR SPEC	GS-11	610	\$46,641	
885G	10	NUR SPEC	GS-11	610	\$46,641	
885G	11	NUR SPEC	GS-11	610	\$46,641	
885G	11	NUR SPEC	GS-11	610	\$46,641	
885J	1	TNG WDMSTR	E-6	91C	Ψ+0,0+1	\$42,375
885J	2	CBT PRAC NUR	E-5	91C		\$36,641
885J	3	TNG MED SP	E-4	91B		\$30,349
885J	4	SUPV CLIN NUR	GS-11	610	\$45,475	+00,040
885J	5	CLIN NUR	GS-10	610	\$42,449	
885J	5 .	CLIN NUR	GS-10	610	\$42,449	
885J	5	CLIN NUR	GS-10	610	\$42,449	
885J	5	CLIN NUR	GS-10	610	\$42,449	
885J	6	CLIN NUR	GS-10	610	\$42,449	
885J	7	CLIN NUR	GS-10	610	\$42,449	
885J	8	PRAC NUR	GS-5	620	\$26,077	
885J	8	PRAC NUR	GS-5	620	\$26,077	
885J	9	NUR ASST	GS-5	621	\$22,931	

885J	10	NUR ASST	GS-5	621	\$22,931	
885J	11	MED CLK (OA)	GS-4	679	\$21,607	
885K	6	TNG WDMSTR	E-7	91C	Ψ21,007	\$50,086
885K	7	CBT PRAC NUR	E-6	91C		\$42,735
885K	8	CBT PRAC NUR	E-6	91C		\$42,735
885K	9	CBT PRAC NUR	E-5	91C		\$36,421
	10	CBT PRAC NUR	E-5	91C	<u> </u>	\$36,421
885K		TNG MED SP	E-4	91B		\$30,349
885K	11	TNG MED SP	E-4	91B		\$30,349
885K	12	CBT MED SP	E-3	91B		\$25,177
885K	13		E-3	91B		\$25,177
885K	14	CBT MED SP CLIN NUR	GS-11	610	\$46,523	Ψ20,177
885K	15		GS-11	610	\$43,341	
885K	16	CLIN NUR	GS-10	610	\$43,341	
885K	17	CLIN NUR			\$43,341	
885K	18	CLIN NUR	GS-10	610		
885K	19	CLIN NUR	GS-10	610	\$43,341	
885K	20	PRAC NUR	GS-5	620	\$26,077	
885K	21`	PRAC NUR	GS-5	620	\$26,077	
885K	22	NUR ASST	GS-5	621	\$22,931	
885K	23	MED CLK (OA)	GS-4	679	\$21,607	
885K	24	MED CLK (OA)	GS-4	679	\$21,607	055.000
885L	3	CMF MED SURG NUR	0-2	66H		\$55,860
885L	3	CMF MED SURG NUR	0-2	66H		\$55,860
885L	3	CMF MED SURG NUR	O-2	66H		\$55,860
885L	4	CMF MED SURG NUR	0-2	66H		\$55,860
885L	4	CMF MED SURG NUR	0-2	66H		\$55,860 \$55,860
885L	4	CMF MED SURG NUR	O-2 E-7	66H 91C		\$55,860 \$50,086
885L	5	EXP WDMSTR	E-6	91C 91C		\$42,375
885L	6	CBT PRAC NUR	E-6	91C		\$42,375
885L	6	CBT PRAC NUR	E-5	91C		\$36,421
885L	7	CBT PRAC NUR	E-5	91C		\$36,421
885L	7	CBT PRAC NUR	E-3	91B		\$30,349
885L	8.	TNG MED SP	E-4	91B		\$30,349
885L	8	TNG MED SP	ļ			\$30,349
885L	8	TNG MED SP	E-4 E-4	91B 91B		\$30,349
885L	8	TNG MED SP		91B		\$25,177
885L	9	TNG MED SP	E-3			\$25,177
885L	9	TNG MED SP	E-3	91B	\$46,523	Ψ20,177
885L	10	CLIN NUR	GS-11	610		-
885L	11	CLIN NUR	GS-10	610	\$43,341	
885L	11	CLIN NUR	GS-10	610	\$43,341	
885L	11	CLIN NUR	GS-10	610	\$43,341	
885L	11	CLIN NUR	GS-10	610	\$43,341	
885L	12	CLIN NUR	GS-10	610	\$43,341	
885L	13	CLIN NUR	GS-10	610	\$43,341	
885L	13	CLIN NUR	GS-10	610	\$43,341	
885L	13	CLIN NUR	GS-10	610	\$43,341	
885L	13	CLIN NUR	GS-10	610	\$43,341	
885L	14	PRAC NUR	GS-5	620	\$26,077	<u> L</u>

0051	44	DDAC NUD	GC E	620	\$26,077	
885L	14	PRAC NUR	GS-5 GS-5	620	\$26,077	
885L	15	PRAC NUR				
885L	15	PRAC NUR	GS-5	620	\$26,077	
885L	16	NUR ASST	GS-4	621	\$22,931	
885L	16	NUR ASST	GS-4	621	\$22,931	
885L	16	NUR ASST	GS-4	621	\$22,931	
885L	17	NUR ASST	GS-4	621	\$22,931	
885L	18	MED CLK (OA)	GS-4	679	\$21,607	000 101
892	5	TNG RAD SGT	E-5	91P		\$36,421
892	8	TNG RAD SP	E-3	91P		\$25,177
892	8	TNG RAD SP	E-3	91P		\$25,177
892	12	OFF AUTOM CLK	GS-4	326	\$21,607	
893	2	CMF PATH	0-4	61U		\$88,229
893	6	TNG MED LAB NCO	E-5	91K		\$36,421
893	9	TNG MED LAB SP	E-4	91K		\$30,349
893	10	TNG MED LAB SP	E-3	91K		\$25,177
893	13	MED TECHNO	GS-11	644	\$50,139	
894	19·	MED TECHNO	GS-9	644	\$46,829	
896A	1	EXP CHIEF	0-4	67E		\$88,229
896A	4	EXP PHARM NCO	E-7	91Q		\$50,086
896A	8	TNG PHARM SGT	E-6	91Q		\$42,735
896A	9	TNG PHARM SP	E-4	91Q		\$30,349
896A	11	TNG PHARM SP	E-3	91Q	-	\$25,177
896A	13	PHARMACIST	GS-11	660	\$50,139	
896A	13	PHARMACIST	GS-11	660	\$50,139	
896A	13	PHARMACIST	GS-11	660	\$50,139	
896A	13	PHARMACIST	GS-11	660	\$50,139	
896A	16	PHARM TECH	GS-5	661	\$23,533	
896A	16	PHARM TECH	GS-5	661	\$23,533	
896A	16	PHARM TECH	GS-5	661	\$23,533	
896A	16	PHARM TECH	GS-5	661	\$23,533	
896A	16	PHARM TECH	GS-5	661	\$23,533	
896A	16	PHARM TECH	GS-5	661	\$23,533	
896A	17	PHARM TECH	GS-5	661	\$23,533	
896A	17	PHARM TECH	GS-5	661	\$23,533	
896A	17	PHARM TECH	GS-5	661	\$23,533	
896B	4	TNG MED EQ REP	E-5	91A		\$36,421
896B	5	TNG MED EQ REP	E-4	91A		\$30,349
896B	6	TNG MED EQ REP	E-3	91A		\$25,177
896B	9	MED EQ RPR	GS-11	4805	\$38,484	,
896F	4	SUP TECH	GS-6	2005	\$25,561	
896G	9	MATR HNDLR MVO	GS-5	6907	\$27,465	
896G	10	MATR HNDLR FLO	GS-5	6907	\$27,465	
896J	2	CUST WK INSP	WG-6	3566	\$27,632	
896J	4	LAUNDRY WRK	WG-2	7304	\$19,931	
897A	1	EXP CHIEF	O-3	70E		\$74,862
897A	2	EXP PAT ADM NCO	E-8	71G		\$58,099
897A	3	PRE AD CERT NUR	GS-10	610	\$42,449	
897A	4	SECY (OA)	GS-5	318	\$23,533	

897B	4	MRT (OA)	GS-5	675	\$23,533	
897B	5	MRT (OA)	GS-5	675	\$23,533	
897B	6	MRT (OA)	GS-5	675	\$23,533	- \
897E	3	TNG PAT ADM NCO	E-5	71G		\$36,421
897E	8	ADM DISP CLK (OA)	GS-5	303	\$23,533	
897E	10	MED CLK (OA)	GS-4	679	\$21,607	
897E	11	MED CLK (OA)	GS-4	679	\$21,607	
897F	1	PRE-ADMIN COORD	GS-5	679	\$20,989	
901A	1	CMF CHIEF	O-3	65C		\$74,862
901D	1	CBT HOSP FS NCO	E-6	91M		\$42,735
901E	1	COOK SUPV	WS-6	7404	\$38,422	
901E	2	COOK SUPV	WS-4	7404	\$34,394	
901E	2	COOK SUPV	WS-4	7404	\$34,394	
901E	4	COOK	WG-6	7404	\$27,632	
901E	4	COOK	WG-6	7404	\$27,632	
901E	5	COOK	WG-6	7404	\$27,632	
901E	5	COOK	WG-6	7404	\$27,632	
901E	6 `	COOK	WG-4	7404	\$23,687	
901F	1	FS WKR LDR	WL-2	7408	\$21,914	
901F	1	FS WKR LDR	WL-2	7408	\$21,914	
901F	2	FS WKR	WG-3	7408	\$21,621	
901F	2	FS WKR	WG-3	7408	\$21,621	
901F	2	FS WKR	WG-3	7408	\$21,621	
901F	2	FS WKR	WG-3	7408	\$21,621	
901F	2	FS WKR	WG-3	7408	\$21,621	
901F	2	FS WKR	WG-3	7408	\$21,621	
901F	2	FS WKR	WG-3	7408	\$21,621	
901F	3	FS WKR	WG-3	7408	\$21,621	
901F	3	FS WKR FS WKR	WG-3 WG-3	7408 7408	\$21,621 \$21,621	
901F 901F	3	FS WKR	WG-3		\$21,621	
901F	3	FS WKR	WG-3	7408	\$21,621	
TOTAL	179	111 CIV, 68 MIL			\$3,493,320	\$3,132,211
		CIV * 105% =	ADJUS	TED CIV	\$3,667,986	
		ADJ CI	V + MIL =	TOTAL	PERS SAVIN	GS
					\$6,800,197	

APPENDIX E

MEPRS Inpatient Cost Report

PREPARED: 1997 09 18

1210 HRS

MEPRS DETAILED HEDICAL EXPENSE AND PERFORMANCE PCW COMP-012 PAGE

FACILITY NAME: FT. BELVOIR

FACILITY CODE: W2LFAA DOD REGION: 01

OCT - SEP FY96

PART I MEDICAL EXPENSE REPORT

SECTION 1 - INPATIENT SERVICES

ACCT	DESCRIPTION	TOTAL EXPENSES		OCCUPIED BED DAYS	COST PER OBD	TOTAL DISPS	COST PER DISP	ADMIS	COST PER ADMIS	*ALOS	*ADPL
AAAA	INT MED	4379023	199549	4494	974.42	1627	2691.47	1624	2696.44	7.8	12.3
AAAF	INT HED PARTHERSHIP	0	0	0	0.00	0	0.00	0	0.00	0.0	0.0
AAA	SUBTOTAL	4379023	199549	4494	974.42	1627	2691.47	1624	2696.44	2.6	12.5
AABP	CARDIOLOGY PARTNERSHIP	0	0	0	0.00	0	0.00	. 0	0.00	0.0	0.0
AAB	SUBTOTAL	0	0	0	0.00	0	0.00	0	0.00	0.0	0.0
AADA	DERM	0	0	0	0.00	0	0.00	0	0.00	0.0	0.6
AAD	SUBTOTAL	0	0	0	0.00	0	0.00	0	0.00	0.0	0.0
AAFA	GASTRONENTEROLOGY	130097	9750	231	563.19	212	613.67	210	619.51	1.1	0.6
AAF	SUBTOTAL	130097	9750	231	563.19	212	613.67	210	619.51	1.1	0.6
AAJA	KEURO	6148	1436	. 8	768.50	5	1229.60	5			0.0
LAA	SUBTOTAL	6148	1436	8	768.50	5	1229.60	5	1229.60	1.6	0.0
ABAA	GEN SURG	1554647	60032	1168	1331.03	731	2126.74	720	2159.23		3.2
ABA	SUBTOTAL	1554647	60032	1168	1331.03	731	2126.74	720	2159.23	1.6	3.2
ABEA	OPHTH	175499	7158	118	1487.28	120	1462.49	119	1474.78		
ABE	SUBTOTAL	175499	7158	118	1487.28	120	1462.49	119	1474.78	1.0	0.3
ABFA	ORAL SURG	74283	2814	45	1650.73	43	1727.51	43			
ABF	SUBTOTAL	74283	2814	45	1650.73	43	1727.51	43	1727.51	1.0	0.1
ABGA	ENT	43313	3022	30	1443.77	30	1443.77	30			
ABGP	INPT ENT PARTNERSHIP	227245	0	229	992.34	223	1019.04	222			
ABG	SUBTOTAL	270558	3022	259	1044.63	253	1069.40	252	1073.64	1.0	0./
ABKA	UROL	293476			1365.00	122	2405.54	122			
ABK	SUBTOTAL	293476	22918	215	1365.00	122	2405.54	122	2405.54	1.8	0.6
ACAA	GYN	1257949	71324	807	1558.80	421	2988.00	417			
ACAP	GYN PARTNERSHIP	.0	0	0	0.00	0	0.00	0			
ACA	SUBTOTAL	1257949	71324	807	1558.80	421	2988.00	417	3016.66	1.7	7.7
ACBA	OB	3396947	83027	3026	1122.59	1310	2593.09	1288			
ACBP	OB PARTNERSHIP	0	0	•	0.00	0	0.00	0			
ACB	SUBTOTAL	3396947	83027	3026	1122.59	1310	2593.09	1288	2637.38	2.3	5 E.3

PREPARED:

1997 09 18

18 1210 HRS

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T PON CUMP-012

PAGE 2

FACILITY NAME: FT. BELVOIR
FACILITY CODE: W2LFAA
DOD REGION: 01

DCT - SEP FY96

PART I MEDICAL EXPENSE REPORT

HEPRS

DETAILED HEDICAL EXPENSE AND PERFORMANCE

SECTION 1 - INPATIENT SERVICES

ACCT	DESCRIPTION	TOTAL Expenses		OCCUPIED BED DAYS	COST PER OBD	TOTAL DISPS	COST PER	ADHIS	COST PER ADMIS	*ALOS	*ADPL
							******	i			
ADAA ADA	PEDS SUBTOTAL	456861 45 6861	77780 77780	439 439	1040.69 1040.69	208 208	2196.45 2196.45	200 200	· 2284.31 2284.31	2.1 2.1	1.2
ADBA ADB	NSY SUBTOTAL	997015 997015	24140 24140	1971 1971	505.84 505.84	968 968	1029.97	955 955	1043.99 1043.99	2.0 2.0	5.4 5.4
	ORTHO SUBTOTAL	1847982 1847982	99084 99084	1169 1169	1580.82 1580.82	683 683	2705.68 2705.68	685 685	2697.78 2697.78		3.2 3.2
	PODIATRY PODIATRY PARTNERSHIP SUBTOTAL	0 166484 166484	0	0 112 112	0.00 1486.46 1486.46	0 102 102	0.00 1632.20 1632.20	0 103 103	0.00 1616.35 1616.35	0.0 1.1 1.1	0.0 0.3 0.3
AGAA Aga	INT HED FP SUBTOTAL	242466 242466	110426 110426	175 175	1385.52 1385.52	55 55	4408.47 4408.47	51 51	4754.24 4754.24		0.5 0.5
AGBA AGB	FAMILY PRACTICE SURGER SUBTOTAL	407 407	2060 2060	0	0.00	0	0.00 0.00	. 0	0.00	0.0 0.0	0.0 0.0
AGCA AGC	OB FP SUBTOTAL	87695 87695	13663 13663	75 75	1195.93 1195.93	35 35		37 37	2424.19 2424.19		0.Z 0.2
AGDA AGD	PEDS FP SUBTOTAL	2742 2742	302 302	0	0.00 0.00	0	0.00	0	0.00 0.00		0.0
AGEA AGE	GYN FP SUBTOTAL	1894 1894	426 426	0	0.00 0.00	0 0	0.00	0	0.00 0.00		
agga agg	ORTHO F? SUBTOTAL	763 763	540 540	0	0.00	0	0.00	0	0.00 0.00		0.0
AGHA AGH	NURSERY F.P. SUBTOTAL	56804 56804	4429 4429	109 109	521.14 521.14	58 58	979.38 979.38	52 52			0.3
,	TOTAL	15401740	793880	14421	1068.01	6953	2215.12	6883	2237.65	, z.1	37.5

FACILITY NAME: FT. BELVOIR

PREPARED: 1997 09 18 1210 HRS

MEPRS

DETAILED MEDICAL EXPENSE AND PERFORMANCE

FUR CUMF-012

PAGE 3

OCT - SEP FY96

FACILITY CODE: WZLFAA DOD REGION: 01

PART I MEDICAL EXPENSE REPORT

SECTION 1 - INPATIENT SERVICES

ACCT DESCRIPTION

TOTAL CLINIC'N OCCUPIED COST PER TOTAL

EXPENSES SALARIES BED DAYS OBD

COST PER

COST PER

DISPS DISP ADMIS ADMIS *ALOS *ADPL

*ALOS=OBD/DISPOSITIONS *ADPL=OBD/NUMBER OF DAYS IN PERIOD

APPENDIX F

Cost Formulae

Cost formulae listed below were originally used by Rogers' study that compared Wilford Hall Medical Center's MEPRS cost to CHAMPUS costs for the same level of services.

FORMULA 1.

Calculation formula for inpatient professional services if provided by the civilian sector and paid for by CHAMPUS:

Step 1.

Total Government Hospital Costs
Total Government Professional Costs = Professional Fee

Multiplier

 $\frac{$2,119,891}{$6,284,150}$ = .3373

Step 2.

Total Hospital CHAMPUS Charge for DACH
X Estimated Professional Fee Multiplier =

Estimated CHAMPUS Professional Fees

 $$20,348,945 \times .3373 = $6,864,500$

FORMULA 2.

Calculation formula for patient cost-share if inpatient services were provided by the civilian sector and paid for by CHAMPUS:

Step 1.

<u>Total Patient Cost-Share</u> = Average Cost-Share

Total number of Admissions per Admission

 $\frac{\$1,961,641}{1,309} = \$1,499$

APPENDIX F (continued)

Cost Formulas

Step 2.

Average Cost-Share per Admission Estimated X Number of DACH Inpatient Admissions

Total
= Estimated
Patient
Cost-Share

 $$1,499 \times 6,746 = $10,112,254$

FORMULA 3.

Calculation formula for DACH's inpatient workload if these were provided by the civilian sector and paid for by CHAMPUS:

Total Allowable CHAMPUS Charge

Total Cost to Buy

+ CHAMPUS Professional Fees

DACH's

- Patient Cost-Share

Inpatient Services

\$20,348,945 +\$6,864,500 -\$10,112,254 \$17,101,191

FORMULA 4. Calculation formula for DACH's direct inpatient MEPRS fixed costs:

Total MEPRS Inpatient Expense

DACH'S MEPRS

- Inpatient Salary Savings*

Fixed Costs

- Other MEPRS Savings

\$15,401,739

-\$6,800,197

-\$3,039,941

\$5,561,601

^{*}Inpatient salary savings based on MEDCOM Manpower Assessment Survey Model.

APPENDIX F (continued)

Cost Formulas

FORMULA 5.

Calculation formula for DACH's revised Federal appropriation for the provision of inpatient services:

DACH's

Total MEPRS Inpatient Expense

Revised

- <u>Direct inpatient costs(Result of Formula 4)</u> =

Funding Level

\$15,401,739 +\$5,561,601 \$9,840,138

FINAL EVALUATION OF COSTS FOR "MAKE" OR "BUY" DECISION:
Examine the result of Formula 5 (DACH's costs) and compare
and it to the result of Formula 3 (CHAMPUS costs) -- the lower
of these results is the least costly method of providing
inpatient services for DACH's inpatient workload.

Result of Formula 5: \$9,840,138

Result of Formula 3: \$17,101,191

After examining the results above, it is concluded that DACH provides inpatient services at a much lower cost to the government than civilian providers would reimbursed at the CHAMPUS prevailing rate.

APPENDIX G MEPRS Inpatient Cost Savings

MEPRS COST SAVINGS

Linen Laundry Contract	\$53,907
Linen Replacement Cost	\$10,828
Inpatient Ward Housekeeping Cost	\$56,909
Inpatient Indirect Supply Cost	\$2,202,204
Food Service Indirect Supply Cost	\$40,000
CRNA Contract	\$617,200
Food Service Indirect Equipment Cost	\$58,893
Total Inpatient MEPRS Cost Savings	\$3,039,941

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